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# STATE OF COLORADO



## COMBINED ANNUAL REPORTS 1944 - 1945 - 1946

COAL MINE INSPECTION DEPARTMENT



STATE OF COLORADO



COMBINED  
ANNUAL REPORTS  
1944 - 1945 - 1946

COAL MINE INSPECTION DEPARTMENT

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LETTER OF TRANSMITTAL

May 1, 1958

Honorable Steve McNichols  
Governor of Colorado

Sir:

At this time I submit to you the combined and revised Annual Reports of this department in printed form, for the years 1944, 1945 and 1946, which were annually issued by April 1 as required by law. The mimeographed reports were in the interest of economy during World War II.

These permanent records will only be placed in reference libraries and the State Archives, unless requested.

Respectfully,

THOMAS ALLEN  
Chief Inspector of Coal Mines

## PERSONNEL OF DEPARTMENT

CHIEF INSPECTOR - Thomas Allen, Denver

### SENIOR - DEPUTY INSPECTORS

Hugo H. Machin, Boulder  
Finlay McCallum, Steamboat Springs  
J. J. Roddy, Grand Junction  
George H. Smith, Canon City  
Myron D. Williams, Walsenburg

### GENERAL - OFFICE

Supervisor & Safety Director - Veda Burford  
Principal Clerk - Evelyn Miller  
Stenographer - Katrina St. John  
Clerk-Typist - Max M. Greenwald

### BOARD OF EXAMINERS FOR COAL MINE OFFICIALS - 1944

Fred W. Whiteside, E. M., Secretary, Denver  
Thomas Bodycomb, Walsenburg  
Albert Daniels, Oak Creek  
Henry Thomas, Colorado Springs

### BOARD OF EXAMINERS - 1946

Fred W. Whiteside, E. M., Denver  
Desire L. Coet, Louisville  
Albert C. Jones, Rockvale  
Ronald C. Oliver, Somerset

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## INTRODUCTORY REVIEW

The printed Annual Reports for 1944, 1945 and 1946 as revised are only being placed in permanent libraries for research unless requested, and are to replace the mimeographed reports prepared in the interest of economy, which were issued by April 1st of each year. All Annual Reports in such form will be prepared and printed as time will permit, which has only been made possible through the services of the State Multigraph Department at a minimum cost.

The tonnage for each year of this period was an increase over the low production years of 1930 to 1942. The number of men employed and days worked and days worked were comparable for these three years, as was the number of fatal and non-fatal injuries. It is a pleasure to report that no major disaster occurred.

During this period more mines became mechanized, electric cap lamps continued to replace carbide, more permissible powder was used as a result of the battle against the use of black powder, and the use of Cardox as a blasting agent became more prevalent. Rock dusting became compulsory, with more drastic enforcement of safe practices against ignition hazards.

The importance of rock dusting was proven in a large mine during 1944, where the ignition of coal dust in a very small area might have resulted in a major catastrophe. The explosion died (or ended) 100 feet from the point of ignition, to which point rock dust had been heavily applied. Several hundred men were employed in the mine at the time.

Stripping operations increased in number and tonnage. Although coal has been stripped in Jackson County since 1911 and in a small amount in Elbert County from 1921 through 1942, the first large surface mining in the state was started in Routt County by the Edna Coal Company in 1945.

At this time there were 154 drift mines reported, 27 shaft mines, 5 strips and the rest opened by rock slopes or tunnels.

Every effort was made by this department in 1945 to cooperate with the Tuberculosis Association of the state, in bringing the Mobile X-Ray Unit to the coal mining areas for free examinations.



The meetings of the Holmes Safety Chapters and the Coal Mine Officials' Institutes had record attendances during these 3 years.

The I. H. I. Mine in Garfield County reported a fire in September, 1944, caused by a break-through into a pitching seam that had been burning for several years. No injury, and that portion was permanently sealed.

Carbon Monoxide fumes from a fire at the Pikeview Mine in November, 1944, caused the death of one man, caused by a break-through into a sealed area where an old fire had existed.

#### Recommendations For Safety - Directives By Chief Inspector

- 1-26-44 - Carbon Monoxide - When in doubt of its presence, take utmost precaution for protection of men. (Based on case of a break-through into small fire area when men had difficulty in recognizing it.)
- 3-28-44 - Instructions in event of Mine Fire - Waste no time in unnecessary investigation and take following steps:
  - 1. SEAL OFF.
  - 2. REPORT TO CHIEF INSPECTOR..
  - 3. INVESTIGATE CAUTIOUSLY.
- 8-2-44 - Compulsory rock dusting in all mines not sloppily wet. Recommended in 1942. Deadline - November 5, 1944.
- 11-1-44 - Passing grades for Officials to conform with State and Federal Civil Service: Mine Foreman - 80%; Assistant Foreman - 75%; Fire Boss - 70%.
- 2-15-45 - Shot Firers on mechanical units must be certified.
- 8-1-45 - Vent-tube ventilation - No place will be allowed to be driven more than 300 feet on vent-tube ventilation without special permission from this department.
- 9-22-45 - Firing shots with delay caps without a 100-foot cable is prohibited.

#### OPINION BY ATTORNEY GENERAL H. LAWRENCE HINKLEY -

April 10, 1945, "It is mandatory that an inquest is to be held in all cases where death results, within 30 days from the time of the accident. "

- \* -

An intensive educational program was presented to the coal miners throughout the State, with the cooperation of the Insurance Division of the State Industrial Commission and the State Board for Vocational Training who provided compensation for teachers in practical coal mining subjects. Educational material was provided at no cost by this department.

Examinations for Coal Mine Officials were held in 1944 and 1946. In 1944 there were 146 candidates with a result of 116 making a passing grade. There were 93 candidates in 1946, 76 of which were successful. Refer to pages 52-54 for the listed names and ratings of successful candidates.

Safety Honor Rolls - 50,000 Or More Man-Hours Per Injury

| MINE                | OPERATOR                      | COUNTY     | MAN-HOURS |
|---------------------|-------------------------------|------------|-----------|
| <u>1944</u>         |                               |            |           |
| <u>1st 6 Months</u> |                               |            |           |
| Hi-Way              | Louisville-Lafayette Coal Co. | Boulder    | 111,119   |
| Cameo               | Kerr Coal Co.                 | Mesa       | 67,001    |
| Cedar Canon         | Giuliano & Sons Coal Co.      | Fremont    | 58,902    |
| Graden              | Graden Coal Co.               | Weld       | 54,756    |
| <u>2nd 6 Months</u> |                               |            |           |
| Cedar Canon         | Giuliano & Sons Coal Co.      | Fremont    | 110,009   |
| Frederick           | C.F. & I. Corp.               | Las Animas | 90,315    |
| Imperial            | Imperial Coal Co.             | Weld       | 78,175    |
| Graden              | Graden Coal Co.               | Weld       | 53,452    |
| Bear Canon #6       | Bear Canon Coal Co.           | Las Animas | 53,172    |
| Shamrock            | Shamrock Coal Co.             | Weld       | 52,443    |
| <u>1945</u>         |                               |            |           |
| <u>1st 6 Months</u> |                               |            |           |
| Hi-Way              | Louisville-Lafayette Coal Co. | Boulder    | 85,990    |
| Shamrock            | Shamrock Coal Co.             | Weld       | 60,305    |
| Dix                 | Dick Coal Co.                 | Las Animas | 58,911    |
| Cedar Canon         | Giuliano & Sons Coal Co.      | Fremont    | 51,456    |
| <u>2nd 6 Months</u> |                               |            |           |
| Robinson #4         | C.F. & I. Corp.               | Huerfano   | 93,312    |
| Sterling            | McNeil Coal Corp.             | Weld       | 71,296    |
| Rockvale #3         | C.F. & I. Corp.               | Fremont    | 54,373    |
| King                | Juanita Coal & Coke           | Delta      | 53,456    |
| Bear                | Bear Coal Co.                 | Gunnison   | 53,171    |
| Oliver #3           | Oliver Coal Co.               | Gunnison   | 51,655    |
| <u>YEAR OF 1946</u> |                               |            |           |
| Ludlow              | Huerfano Coal Co.             | Las Animas | 116,200   |
| Morrison            | Clayton Coal Co.              | Weld       | 116,128   |
| Edna Strip          | Edna Coal Co.                 | Routt      | 76,308    |
| Rockvale #3         | C.F. & I. Corp.               | Fremont    | 60,011    |
| Frederick           | C.F. & I. Corp.               | Las Animas | 54,731    |
| Centennial          | Boulder Valley Coal Co.       | Boulder    | 50,533    |

The State-wide first aid contests, sponsored by the State Industrial Commission, were conducted through the cooperation of the American Red Cross, the U.S. Bureau of Mines and members of this department. Teams were trained for contest work from coal and metal mines, industrial groups, the Denver Fire and Police Departments, the State Courtesy Patrol, Boy Scouts, and from the military groups including Buckley Field, Fitzsimmons General Hospital, Fort Logan and Lowry Fields.

#### Winners in the Coal Mining Division-Bureau of Mines Standards

|        | <u>MEN</u>     | <u>WOMEN</u>     | <u>CHILDREN</u>  |
|--------|----------------|------------------|--|
| 1944 - | Frederick Mine | Frederick Mine   | -  |
| 1945 - | Frederick Mine | Beebe Draw Mines | -  |
| 1946 - | Frederick Mine | Erie-UMWA Local  | Frederick Mine, Girls Team of men from Frederick Mine permanent winners of Governor's cup. |

#### SUMMARY OF FIELD WORK

|                                   | <u>1944</u> | <u>1945</u> | <u>1946</u> |
|-----------------------------------|-------------|-------------|-------------|
| Number of inspections             | 740         | 724         | 711         |
| Investigations of fatal accidents | 24          | 26          | 20          |
| Coroner's inquests attended       | 20          | 21          | 20          |
| Complaints investigated           | 82          | 74          | 68          |

#### FINANCIAL REPORTS

##### RECEIPTS

|                               | <u>1944</u>        | <u>1945</u>        | <u>1946</u>        |
|-------------------------------|--------------------|--------------------|--------------------|
| Balance on hand January 1     | \$ 5,745.76        | \$ 9,750.75        | \$ 6,211.97        |
| Taxes, Licenses, Sale of Laws | 47,279.69          | 38,412.62          | 36,481.36          |
| Totals                        | <u>\$53,025.45</u> | <u>\$48,163.37</u> | <u>\$42,693.33</u> |

##### EXPENDITURES

|                             |                    |                    |                    |
|-----------------------------|--------------------|--------------------|--------------------|
| Salaries - Field and Office | \$29,794.88        | \$28,634.73        | \$29,502.06        |
| Maintenance and Operation   | 13,479.82          | 13,316.67          | 11,768.28          |
|                             | <u>\$43,274.70</u> | <u>\$41,951.40</u> | <u>\$41,270.34</u> |
| Balance on hand Dec. 31     | \$ 9,750.75        | \$ 6,211.97        | \$ 1,422.99        |



# GENERAL SUMMARY - COLORADO COAL STATISTICS FOR 1944, 1945 & 1946

## MINES REPORTING PRODUCTION

|        | Mine Run    | Lump        | Nut      | Egg      | Pea      | Slack       | Miscellaneous |
|--------|-------------|-------------|----------|----------|----------|-------------|---------------|
| 1944 - | 1, 471, 024 | 1, 746, 853 | 495, 463 | 320, 658 | 137, 026 | 2, 424, 583 | 1, 606, 794   |
| 1945 - | 1, 589, 646 | 1, 533, 649 | 435, 650 | 336, 184 | 969, 694 | 2, 243, 546 | 549, 375      |
| 1946 - | 1, 174, 304 | 1, 221, 034 | 350, 803 | 230, 599 | 127, 704 | 1, 803, 962 | 1, 032, 699   |

## GRADES AS REPORTED

|        | Bituminous  | Sub-bituminous |
|--------|-------------|----------------|
| 1944 - | 5, 513, 383 | 2, 645, 492    |
| 1945 - | 5, 044, 711 | 2, 186, 686    |
| 1946 - | 3, 973, 397 | 1, 480, 496    |

## DISTRIBUTION OF COAL

### Railroad

### Truck

### Power & Heat at the mines

### Shipped out of the State

### Number of coke ovens - bee hive (AS&R Co.)

### Tons of coke made

### Tons of coal made into coke

## MEN EMPLOYED IN & AROUND MINES, Average Number

## DAYS WORKED, Average Number Per Mine

## DAILY PRODUCTION PER MINER, IN TONS

## TONNAGE BY MINING METHODS

### Mined - Electric undercutting machines

#### Solid pick

#### Compressed air machines

### Loaded - Mechanically - Very little or no hand labor

#### Hand-loaded onto mechanical loaders

#### Hand-loaded into pit cars

## CUT & LOADED BY CONTINUOUS MINING MACHINE(Baum)

## STRIPPED - OPEN PIT

### Semi-bituminous

|      |          |
|------|----------|
| 1944 | 41, 781  |
| 1945 | 424, 917 |
| 1946 | 484, 933 |

### Anthracite

|      |        |
|------|--------|
| 1944 | 1, 745 |
| 1945 | 1, 430 |
| 1946 | 2, 279 |

|             |             |             |
|-------------|-------------|-------------|
| 1944        | 1945        | 1946        |
| 8, 202, 401 | 7, 657, 744 | 5, 941, 105 |
| 241         | 233         | 241         |
| 5, 526, 025 | 5, 657, 771 | 4, 631, 087 |
| 2, 506, 281 | 1, 790, 973 | 993, 720    |
| 22, 303     | 19, 892     | 51, 910     |
| 3, 498, 534 | 3, 347, 919 | 2, 786, 787 |
| 543, 388    | 471, 882    | 581, 707    |
| 4, 012, 687 | 3, 648, 835 | 2, 308, 223 |
| 133, 284    | 132, 768    | 110, 476    |
| 14, 508     | 56, 340     | 153, 912    |

## HAULAGE MACHINERY & EQUIPMENT

|                              |     |     |     |
|------------------------------|-----|-----|-----|
| Electric trolley locomotives | 166 | 169 | 168 |
| Electric battery locomotives | 85  | 78  | 79  |
| Electric hoists              | 217 | 214 | 204 |
| Compressed air hoists        | 5   | 2   | 3   |
| Shuttle cars                 | 18  | 22  | 66  |
| Animals - Horses and mules   | 462 | 218 | 241 |

## UNDERGROUND MINING MACHINERY - See chart, pages 47-48

|                                 |     |     |     |
|---------------------------------|-----|-----|-----|
| Mechanical Loaders              | 348 | 369 | 361 |
| Electric cutting machines       | 473 | 484 | 519 |
| Other types                     | 35  | 20  | 12  |
| Compressed air cutting machines | 15  | 12  | 8   |
| Electric drills                 | 396 | 431 | 449 |

## LIGHTING

|  |        |        |        |
|--|--------|--------|--------|
| Flame safety lamps                     | 704    | 747    | 654    |
| Electric cap lamps                     | 8,437  | 8,578  | 8,511  |
| Carbide lamps                          | 522    | 425    | 446    |
| Pounds of carbide used - approximately | 45,262 | 43,494 | 37,647 |

## EXPLOSIVES USED - Total number of pounds.

|              |           |           |           |
|--------------|-----------|-----------|-----------|
| Permissible  | 1,056,424 | 1,038,127 | 815,317   |
| Black powder | 228,476   | 170,692   | 185,998   |
| Dynamite     | 25,623    | 9,039     | 133,097   |
| Cardox       | No Report | 2,442,903 | 2,564,803 |

## ACCIDENT STATISTICS

|  |         |         |         |
|--|---------|---------|---------|
| Fatalities                                   | 22      | 25      | 19      |
| Non-fatal - Compensable                      | 663     | 610     | 455     |
| Killed per 1,000 men employed                | 3.28    | 3.90    | 2.94    |
| Injured, per 1,000                           | 98.76   | 95.26   | 70.58   |
| Tons of coal, per fatal                      | 372,836 | 306,309 | 312,689 |
| Tons of coal per non-fatal                   | 12,372  | 12,553  | 13,057  |
| Dependents of deceased: Wives-Minor children | 17-23   | 19-45   | 16-30   |

Note: Non-fatal injuries - Compensable - 10 or more days.

# D I R E C T O R Y

| COMPANY             | ADDRESS         | MINE           | ADDRESS    | COUNTY    |
|---------------------|-----------------|----------------|------------|-----------|
| Abeyta, Alex        | Trinidad        | Frisco #2      | Starkville | Las A.    |
| Allen, C. O.        | Grand Junction  | Corcoran       | Same       | Mesa      |
| Alpine Fuel         | Gunnison        | Alpine         | Baldwin    | Gunnison  |
| Alpine Fuel         | "               | Kubler         | "          | "         |
| American S & R      | Cokedale        | Boncarbo       | Boncarbo   | Las A.    |
| Andrew, William     | Erie            | Boulder Val.   | Same       | Weld      |
| Arcuri, Manuel      | Trinidad        | Burro Can. #2  | Valdez     | Las A.    |
| Argo Mng.           | Superior        | So. Gorham     | Same       | Boulder   |
| Audin, Clement/Sons | Somerset        | Hawk's Nest    | "          | Gunnison  |
| Ausec, Frank        | Colorado Spgs.  | Busy Bee       | "          | El Paso   |
| Baldy Coal          | Trinidad        | Baldy          | Same       | Las A.    |
| Barnell, Geo. M.    | Walden          | Marr           | "          | Jackson   |
| Barnell, Geo. M.    | "               | Marr Strip     | "          | "         |
| Barton, Thos. E.    | Hayden          | Sun            | "          | Routt     |
| Baxter, Arthur      | Vernal, Utah    | Blue Flame     | Skull Crk. | Moffat    |
| Bear Canon Coal     | Trinidad        | Bear Can. #6   | Vallorso   | Las A.    |
| Bear Coal           | Somerset        | Bear           | Same       | Gunnison  |
| Bellino, Frank      | Pagosa Junction | Bellino        | "          | Archuleta |
| Bendetti Bros.      | New Castle      | Atlas          | "          | Garfield  |
| Berardi & Berta     | Florence        | Caldirola      | "          | Fremont   |
| Berwind Canon Coal  | Trinidad        | Berwind Can.   | Vallorso   | Las A.    |
| Biggens Coal        | Arvada          | Toppan         | Same       | Jefferson |
| Bisulco, Alex       | Aguilar         | New Primrose   | "          | Las A.    |
| Black Diam. Fuel    | Boulder         | Black Diam. #2 | Lafayette  | Boulder   |
| Blue Blaze Coal     | Walsenburg      | Blue Blaze     | Same       | Huerfano  |
| Blue Blaze Coal     | Walsenburg      | Pryor          | Pryor      | Huerfano  |
| Boaglio, Nemo       | Trinidad        | Trailer        | Same       | Las A.    |
| Boglino, Henry      | Durango         | Tipotsch       | Hesperus   | La Plata  |
| Boscia Coal         | Oak Creek       | Apex           | Same       | Routt     |
| Bould. Valley Coal  | Denver          | Bould. Val. #3 | Dacono     | Weld      |



# RAILROADS      OPENINGS      SEAMS

| Superintendent  | R. R. | OPENINGS       |               |                          |       | SEAM |     |                |
|-----------------|-------|----------------|---------------|--------------------------|-------|------|-----|----------------|
|                 |       | Shaft<br>Depth | Rock<br>Slope | Rock<br>Tunnel<br>Length | Drift | Ft.  | In. | Pitch<br>% - ° |
|                 |       |                |               |                          |       |      |     |                |
| Alex Abeyta     |       |                |               |                          | Yes   | 3    |     |                |
| C. O. Allen     |       |                |               |                          | Yes   | 4    | 6   | 17             |
| Tony Krizmanich | D&RG  | 150            |               |                          |       | 7    |     |                |
| Vince Oprandi   |       |                | 400           |                          |       |      |     |                |
| C. R. Garrett   | D&RG  |                | 9,300         |                          |       | 5    | 3   | 2              |
| Wm. Andrew      | UP    | 347            |               |                          |       | 7    |     |                |
| Manuel Arcuri   |       |                |               |                          | Yes   | 4    | 6   |                |
| Geo. T. Rolfes  |       |                | 450           |                          |       | 4    |     | 38             |
| Clement Audin   |       |                | 300           |                          |       | 7    | 6   | 4-6            |
| Frank Ausec     |       |                | 650           |                          |       | 1-16 |     |                |
| E. W. Meggison  |       |                | 180           |                          |       | 6    |     |                |
| Geo. M. Barnell |       |                | 300           |                          |       | 50   |     |                |
| Geo. M. Barnell |       |                | S T R I P     |                          |       |      |     |                |
| Thos. E. Barton |       |                |               |                          | Yes   | 8    | 9   | 12             |
| Arthur Baxter   |       |                |               |                          | Yes   | 9    |     | 8              |
| Leo Oss         |       |                | 4,500         |                          |       | 6    |     | 1              |
| Tony Bear       |       |                |               | 300                      |       | 8    |     | 4              |
| Frank Bellino   |       |                |               |                          | Yes   | 3    |     |                |
| H. Bendetti     |       |                |               |                          | Yes   | 4    |     | 45             |
| Steve Berardi   |       |                |               |                          | Yes   | 6    | 6   | 3              |
| J. P. McIlwee   |       |                |               |                          | Yes   | 4    | 6   | 8              |
| Jas. Biggens    |       | 175            |               |                          |       | 7    | 6   |                |
| Alex Bisulco    |       |                |               |                          | Yes   | 4    |     |                |
| E. Billington   |       | 268            |               |                          |       | 5    |     | 1              |
| Albert Amiday   | D&RG  |                |               |                          | Yes   | 2    |     | 8              |
| Albert Amiday   | D&RG  |                |               |                          | Yes   | 3    | 6   | 6              |
| Nemo Boaglio    |       |                |               |                          | Yes   | 2    | 8   |                |
| Henry Boglino   |       |                |               |                          | Yes   | 6    |     |                |
| A. Boscia       |       |                |               |                          | Yes   | 4    | 8   | 8              |
| Wm. Andrew      | UP    | 240            |               |                          |       | 7    |     |                |



| COMPANY              | ADDRESS            | MINE             | ADDRESS    | COUNTY    |
|----------------------|--------------------|------------------|------------|-----------|
| Bould. Valley Coal   | Denver             | Centennial       | Louisville | Boulder   |
| Bowen Fuel           | Austin             | Winton           | Same       | Delta     |
| Bowling & Fitzgerald | Mancos             | Willden #2       | "          | Montez.   |
| Bowman, Guillermo    | Trinidad           | Crystal          | Boncarbo   | Las A.    |
| Brogan, Leo O.       | Cedaredge          | Black Diamond    | Same       | Delta     |
| Brookside Coal Mng.  | Florence           | Brookside        | Same       | Fremont   |
| Brown, J. L. & A. W. | Trinidad           | Brownie          | "          | Las A.    |
| Butte Valley Coal    | Walsenburg         | Butte Valley     | Butte Val. | Huerfano  |
| C. P. Coal           | Rio Blanco         | Rio Blanco       | Rifle      | Garfield  |
| Caldirola Coal       | Florence           | Can. Liberty     | Same       | Fremont   |
| Calumet Fuel         | Salt Lake City, U. | Calumet #2       | Delcarbon  | Huerfano  |
| Calumet Fuel         | " " " "            | Somerset         | Somerset   | Gunnison  |
| Cannon & Loftus      | Walsenburg         | Toltec #2        | Same       | Huerfano  |
| Can. Blk. Diam. Fuel | Florence           | Can. Blk. Diam.  | "          | Fremont   |
| Can. Monarch Coal    | "                  | Can. Mon. #2 & 3 | "          | "         |
| Can. Monarch Coal    | Florence           | Pine Gulch       | Same       | Fremont   |
| Can. Nat'l Coal      | "                  | Can. National    | "          | "         |
| Can. Shamrock Coal   | Coal Creek         | Can. Shamrock    | "          | "         |
| Can. Tiger Coal      | Florence           | Glendine         | "          | "         |
| Capitol Coal         | Denver             | Capitol          | Golden     | Jefferson |
| Carbon Coal          | La Veta            | Carbon           | Same       | Huerfano  |
| Case & Batchelor     | Clifton            | Grasso           | "          | Mesa      |
| Cason, Vernon        | Durango            | Coal King        | Hesperus   | La Plata  |
| Cimino, Nick         | Trinidad           | Starkville #3    | Same       | Las A.    |
| Clark Coal           | Somerset           | Edwards          | "          | Gunnison  |
| Clark, Ray           | Grand Junction     | Monarch          | Same       | Mesa      |
| Clarke Coal          | Palisade           | Winger           | "          | "         |
| Clayton Coal         | Denver             | Morrison         | Erie       | Weld      |
| Clayton Coal         | "                  | Washington       | "          | Weld      |
| Coles, W. E.         | Newcastle          | Newcastle        | Same       | Garfield  |

| Superintendent       | R. R. | OPENINGS |        |        |       | SEAM |     |       |
|----------------------|-------|----------|--------|--------|-------|------|-----|-------|
|                      |       | Shaft    | Rock   | Rock   | Drift | Ft.  | In. | Pitch |
|                      |       | Depth    | Slope  | Tunnel |       |      |     |       |
|                      |       |          | Length |        |       |      |     | %-0   |
| John Stevens         | CB&Q  | 285      |        |        |       | 5    |     |       |
| Gene Yellico         |       |          | 460    |        |       | 12   |     | 12    |
| Fitzgerald           |       |          | 700    |        |       | 4    |     | 3     |
| Guillermo Bowman     |       |          |        | 185    |       | 2    | 10  |       |
| Leo C. Brogan        |       |          | 180    |        |       | 9    |     |       |
| Frank Orecchio       |       |          |        |        | Yes   | 3    |     | 23    |
| J. L. Brown          |       |          |        |        |       | 3    |     |       |
| Hayden Bodycomb D&RG |       |          | 2,300  |        |       | 9    |     |       |
| Ennis Cole           |       |          | 150    |        |       | 9    |     | 45    |
| C. J. Caldirola      |       |          |        |        | Yes   | 3    | 6   | 3     |
| A. P. French         | D&RG  |          | 600    |        |       | 4    | 6   | 2     |
| S. C. Harvey         | D&RG  |          | 2,800  | 700    |       | 8-9  |     | 6     |
| Wm. Loftus           |       |          |        |        | Yes   | 3    | 6   | 6     |
| Joe Yellico          |       |          |        |        | Yes   | 6-7  |     | 12    |
| Lloyd J. Beer        |       |          |        |        | Yes   | 2    | 6   | 6     |
| Lloyd J. Beer        |       |          |        |        | Yes   | 4    | 5   | 5     |
| Mat Grahek           |       |          |        | 375    |       | 5    | 6   | 12    |
| Tony DiGiacomo       |       |          |        |        | Yes   | 6    |     | 7     |
| Jas. D. Martino      |       |          |        |        |       | 4    | 6   |       |
| C. O. Weathers       |       |          | 950    | 130    |       | 12   |     | 40    |
| A. E. Garcia         |       |          |        | 75     |       | 3    | 8   | 30-35 |
| W. Case              |       |          |        |        | Yes   | 2    | 6   | 28    |
| Vernon Cason         |       |          |        | 45     |       | 6    | 3   |       |
| Nick Cimino          |       |          |        |        | Yes   | 4    |     |       |
| Henry Coletti        |       |          |        |        | Yes   | 8    | 6   | 6     |
| Ray Clark            |       |          | 400    |        |       | 5    | 4   | 8     |
| Roy M. Clarke        |       |          |        |        | Yes   | 4    | 6   | 5     |
| John Sidle           | UP    | 160      |        |        |       | 8    |     |       |
| John Sidle           | UP    | 430      |        |        |       | 10   |     |       |
| W. E. Coles          |       |          |        | 400    |       | 6    |     | 48    |

| COMPANY              | ADDRESS         | MINE          | ADDRESS       | COUNTY    |
|----------------------|-----------------|---------------|---------------|-----------|
| Collins, Jas. L.     | Montrose        | Cimarron      | Cimarron      | Montrose  |
| C. F. & I. Corp.     | Pueblo          | Crested Butte | Crested Butte | Gunn.     |
| C. F. & I. Corp.     | "               | Frederick     | Valdez        | Las A.    |
| C. F. & I. Corp.     | "               | Kebler #2     | Tioga         | Huerfano  |
| C. F. & I. Corp.     | "               | Morley        | Morley        | Las A.    |
| C. F. & I. Corp.     | Pueblo          | Pictou        | Walsenburg    | Huerfano  |
| C. F. & I. Corp.     | "               | Robinson #4   | Farr          | "         |
| C. F. & I. Corp.     | "               | Rockvale #3   | Canon City    | Fremont   |
| Colorado Springs     | Colo. Springs   | City Mines    | Same          | El Paso   |
| Colo. & Utah Coal    | Denver          | Harris        | Mt. Harris    | Routt     |
| Colowyo Coal         | Denver          | Red Wing      | Axial         | Moffat    |
| Consol. C. & Coke    | "               | Baum          | Dacono        | Weld      |
| Corley Coal          | Colo. Springs   | Corley #6     | Florence      | Fremont   |
| Courtier-Conda & Son | Boulder         | New Gorham    | Superior      | Boulder   |
| Craig, J. E.         | Mancos          | Cherry Creek  | Same          | Montez.   |
| Crane, Leroy R.      | Bayfield        | Columbine     | Same          | Archuleta |
| Crested Butte Coal   | Denver          | Bulkley #2    | Crested Butte | Gunn.     |
| Cribbs-Goodman Coal  | Florence        | Rex Carbon    | Same          | Fremont   |
| Cupeuch, Jack        | Canon City      | Canon City    | "             | "         |
| Dalsas, A. & Son     | Glenwood Spgs.  | Dalsas        | "             | Garfield  |
| Diamond Coal         | La Salle        | Diamond       | Same          | Weld      |
| Diamond Fuel         | Glenwood Spgs.  | Diamond       | "             | Garfield  |
| Dick Coal            | Walsenburg      | Dix           | Boncarbo      | Las A.    |
| Di Luzio, Nick       | Durango         | Hesperus      | Same          | "         |
| Domestic Coal        | Denver          | Streeter      | Axial         | Moffat    |
| Dry Creek Coal       | Hayden          | Crow Bar      | Same          | Routt     |
| Duca, Verlengia      | Canon City      | Can. Zenith   | Coal Creek    | Fremont   |
| Dufur, Xavier        | Aztec, New Mex. | Ft. Lewis     | Kline         | La Plata  |
| Dunbar Coal          | Durango         | Hay Gulch #1  | Hesperus      | "         |
| Dunbar Coal          | Silverton       | Monarch       | "             | "         |

| Superintendent   | R. R. | OPENINGS |        |        |       | SEAM |     |                |
|------------------|-------|----------|--------|--------|-------|------|-----|----------------|
|                  |       | Shaft    | Rock   | Rock   | Drift | Ft.  | In. | Pitch<br>% - 0 |
|                  |       | Depth    | Slope  | Tunnel |       |      |     |                |
|                  |       |          | Length |        |       |      |     |                |
| Jas. L. Collins  |       |          |        |        | Yes   | 3    | 2   |                |
| F. C. Bennett    |       |          |        |        | Yes   | 4-8  |     | 0-13           |
| M. M. Watson     | C&W   |          |        |        | Yes   | 4    |     |                |
| J. L. McBrayer   | D&RG  |          |        |        |       | 4-5  |     | 5-78           |
| H. D. Pinkney    | AT&SF |          | 2,300  |        |       | 4    | 6   | 2              |
| J. L. McBrayer   | D&RG  |          | 5,280  |        |       | 4    | 6   |                |
| J. L. McBrayer   | C&S   |          | 400    |        |       | 5    |     |                |
| Clifford Dawe    |       |          | 300    |        |       | 5    | 6   | 25             |
| Guy Mellen       |       |          | 600    | 1,600  |       | 4-10 |     | 10             |
| A. C. Burt       | D&SL  |          | 200    | 300    |       | 9    | 3   | 18             |
| C. C. Daniels    | D&SL  |          | 125    |        |       | 22   |     | 2              |
| John Jurcheck    | UP    | 205      |        |        |       | 7    |     |                |
| Paul Brenton     |       |          | 500    |        |       | 5    |     | 10             |
| N. G. Conda      |       |          |        | 200    |       | 5    | 6   | 40             |
| J. E. Craig      |       |          |        |        | Yes   | 5    |     |                |
| Leroy R. Crane   |       |          |        |        | Yes   | 12   |     | 50             |
| Joe Pasic        | D&RG  |          | 800    |        |       | 7-8  |     | 9              |
| L. W. Ingles     |       |          | 450    |        | Yes   | 3    | 10  | 12             |
| Jack Cupeuch     |       |          |        |        |       | 6    | 6   |                |
| Joe Dalsas       |       |          |        |        | Yes   | 6    |     | 45             |
| F. & F. Simpson  |       | 140      |        |        |       | 4    |     |                |
| David Davies     |       |          | 500    |        |       | 7    | 6   | 50             |
| Harold E. Scott  | D&RG  |          | 6,000  | 250    |       | 4    | 6   |                |
| Nick Di Luzio    |       |          |        |        | Yes   | 5    |     | 10             |
| Chas. M. Hutton  | D&SL  |          |        |        | Yes   | 23   | 9   | 3              |
| Richard C. Jones |       |          | 300    |        |       | 8    |     | 12             |
| Jos. Z. Duca     |       |          |        |        | Yes   | 3    |     | 2              |
| Xavier Dufur     |       |          | 200    |        |       | 9    |     | 28             |
| F. T. Dunbar     |       |          |        |        | Yes   | 6    |     |                |
| F. T. Dunbar     |       |          |        |        | Yes   | 8    | 6   | 7              |



| COMPANY              | ADDRESS       | MINE           | ADDRESS    | COUNTY   |
|----------------------|---------------|----------------|------------|----------|
| Dunn Coal            | Hayden        | BearRiverStp.  | Bear River | Routt    |
| Dunn Coal            | "             | Sleepy Cat     | Same       | "        |
| Dunn, L. F., Jr.     | Hesperus      | Dunn           | "          | La Plata |
| Durkan, James T.     | "             | Durkan         | Kline      | "        |
| Edna Coal            | Denver        | Edna Strip     | Oak Creek  | Routt    |
| Elder, Gene          | Norwood       | Elder          | Same       | San Mig. |
| Eureka Coal          | Trinidad      | Anchor         | Boncarbo   | Las A.   |
| Fabec, Louis         | "             | Sunrise        | Same       | "        |
| Falgien Coal         | Coal Creek    | Falgien        | "          | Fremont  |
| Florence Coals, Inc. | Pueblo        | Mt. View       | Florence   | "        |
| Franceville Coal     | Colo. Springs | Franceville    | Same       | El Paso  |
| Gale, G. M.          | Durango       | Peacock        | "          | La Plata |
| Garcia, Albert B.    | Boncarbo      | Viola          | "          | Las A.   |
| Garfield Mng.        | Palisade      | Garfield       | "          | Mesa     |
| Gearhart Bros.       | "             | Mt. Garfield   | "          | "        |
| Giordano Coal        | Walsenburg    | Black Beauty   | Same       | Huerfano |
| Giuliano Coal        | Aguilar       | Gem            | "          | Las A.   |
| Giuliano & Sons      | Florence      | Cedar Canon    | "          | Fremont  |
| Glover & Glover      | Cortez        | Lakeview       | "          | Montez.  |
| Gordon Coal          | Walsenburg    | Gordon         | "          | Huerfano |
| Graden Coal          | Denver        | Graden         | Dacono     | Weld     |
| Great Western Coal   | "             | Great Western  | Hayden     | Routt    |
| Green Canon Coal     | Aguilar       | Green Canon    | Same       | Las A.   |
| Green Canon Coal     | "             | Green Can. #2  | "          | "        |
| Green Valley Coal    | Cedaredge     | Green Valley   | "          | Delta    |
| Griffiths Coal Mng.  | Canon City    | Chandler Creek | Same       | Fremont  |
| Guadagnoli Bros.     | Trinidad      | New Slope      | "          | Las A.   |
| Gulley, Maude        | "             | Rugby #1       | Pryor      | Huerfano |
| Haas, Wm. & Son      | Rifle         | I. H. I. #1    | Same       | Garfield |
| Haas, Wm. & Son      | "             | I. H. I. #2    | "          | "        |

| Superintendent   | R. R. | O P E N I N G S |       |        |       | S E A M |     |                |
|------------------|-------|-----------------|-------|--------|-------|---------|-----|----------------|
|                  |       | Shaft           | Rock  | Rock   | Drift | Ft.     | In. | Pitch<br>% - 0 |
|                  |       | Depth           | Slope | Tunnel |       |         |     |                |
| Length           |       |                 |       |        |       |         |     |                |
| Paul Fifield     | D&SL  | S T R I P       |       |        |       | 5       |     |                |
| Paul Fifield     |       | 512             |       |        |       | 10      |     |                |
| L. F. Dunn, Jr.  |       |                 |       |        | Yes   | 5       | 8   | 2              |
| James T. Durkan  |       |                 |       |        | Yes   | 6       |     | 2              |
| M. M. Moser      |       | S T R I P       |       |        |       | 10      | 6   | 15             |
| Gene Elder       |       |                 |       |        | Yes   | 3       |     |                |
| Victor Duran     | D&RG  |                 |       |        | Yes   | 5       | 9   | 2              |
| Louis Fabec      |       |                 |       |        | Yes   | 5       | 9   |                |
| Albert Falgien   |       |                 |       | 850    |       | 3       | 6   | 7              |
| John Beres       |       | 1,600           |       |        |       | 4       | 6   |                |
| L. F. Gordley    |       | 1,000           |       |        |       | 5       | 6   |                |
| G. M. Gale       |       |                 |       |        | Yes   | 6       |     | 2-3            |
| A. B. Garcia     |       |                 |       |        | Yes   | 3       | 4   |                |
| L. P. Gaggini    |       |                 |       |        | Yes   | 3-5     |     |                |
| E. Gearhart      |       |                 |       | 185    |       | 5       |     | 12             |
| Jos. Giordano    | D&RG  |                 |       |        | Yes   | 4       |     |                |
| LawrenceGiuliano | C&S   | 1,600           |       |        |       | 2-3     |     | 12             |
| Mike Giuliano    |       |                 |       |        | Yes   | 6       | 6   | 2              |
| N. R. Glover     |       |                 |       |        | Yes   | 3       | 6   | 3              |
| Thos. Barclay    | D&RG  | 5,600           |       |        |       | 4       |     |                |
| Jas. A. McFadden | UP    | 320             |       |        |       | 7       | 8   |                |
| T.V. Shockley    |       |                 |       |        | Yes   | 12      |     | 56             |
| George Clark     | C&S   |                 |       |        | Yes   | 4       |     | 2              |
| George Clark     |       |                 |       |        | Yes   | 4       |     | 8              |
| Ira T. Brooks    |       | 287             |       |        |       | 5       | 6   |                |
| Wm. McShane      | D&RG  | 300             |       |        |       | 3       | 8   | 8              |
| John Guadagnoli  |       |                 |       |        | Yes   | 5       | 6   | 3              |
| W. H. Owens      |       |                 |       |        | Yes   |         |     |                |
| Wm. Haas         |       |                 |       |        | Yes   | 9       |     | 72             |
| Wm. Haas         |       |                 |       |        | Yes   | 11      |     |                |

| COMPANY             | ADDRESS        | MINE            | ADDRESS     | COUNTY   |
|---------------------|----------------|-----------------|-------------|----------|
| Halcumb, C. O.      | Fruita         | Hunter          | Same        | Mesa     |
| Halcumb, Noah H.    | "              | Monger          | "           | Garfield |
| Hall Bros. Coal     | Trinidad       | Kenneth         | Rugby       | Las A.   |
| Hare, James, Jr.    | Gunnison       | Baldwin Star    | Baldwin     | Gunnison |
| Hatch, Wm. & Sons   | Jensen, Utah   | Coal White Ash  | Skull Creek | Moffat   |
| Hayden Coal         | Denver         | Hayden #3       | Haybro      | Routt    |
| Hayden Coal         | "              | Hayden #4       | "           | "        |
| Hicks, Ernest       | Grand Junction | Hidden Treasure | Fruita      | Mesa     |
| Hicks & Son         | Palisade       | Palisade        | Same        | "        |
| High View Coal      | Gorham         | High View       | Boulder     | Boulder  |
| Hilkey, John A.     | Meeker         | Little Joe      | Same        | Rio B.   |
| Holgate, Howard     | Carbondale     | Placita         | "           | Pitkin   |
| Hollingsworth, John | Aguilar        | Peacock         | "           | Las A.   |
| Horace Anth. Miners | Crested Butte  | Horace          | "           | Gunnison |
| Hot Flame Coal      | Aguilar        | Hot Flame       | "           | Las A.   |
| Huerfano Coal       | Denver         | Ludlow          | Ludlow      | Las A.   |
| Hughes, William     | Palisade       | Midwest         | Same        | Mesa     |
| Huntington, Dean    | Breckenridge   | Bruce Walters   | Mt. Harris  | Routt    |
| Hunt Brothers       | Hesperus       | Hay Gulch #2    | Same        | La Plata |
| Imperial Coal       | Denver         | Imperial        | Erie        | Weld     |
| Independent Fuel    | Cedaredge      | Ideal & Indep.  | Same        | Delta    |
| Iuppa Coal          | Trinidad       | Starkville #4   | "           | Las A.   |
| James Coal          | Rifle          | James           | "           | Moffat   |
| Johnson, Curtis     | Durango        | Carbon Jct.     | "           | La Plata |
| Johnson & Paterson  | Fruita         | Hy-Grade        | "           | Mesa     |
| Juanita Coal & Coke | Bowie          | King            | Same        | Delta    |
| Kattnig, Martin     | Florence       | White Ash #1    | "           | Fremont  |
| Keck, Wm. R.        | Norwood        | Keck-Reliance   | "           | San M.   |
| Kerr Coal           | Cameo          | Cameo           | "           | Mesa     |
| Keystone Coal       | Denver         | Keystone        | Routt       | Routt    |



| Superintendent  | R. R. | OPENINGS |       |        |       | SEAM |     |       |
|-----------------|-------|----------|-------|--------|-------|------|-----|-------|
|                 |       | Shaft    | Rock  | Rock   | Drift | Ft.  | In. | Pitch |
|                 |       | Depth    | Slope | Tunnel |       |      |     |       |
|                 |       | Length   |       |        |       |      |     |       |
| C. O. Halcumb   |       |          |       | 300    |       | 6    | 3   | 10    |
| N. H. Halcumb   |       |          |       |        |       | 5    | 6   |       |
| Thos. H. Hall   |       |          | 5,006 |        |       | 5    |     | 10    |
| Jas. Hare, Jr.  |       |          | 400   |        |       | 6    | 6   | 30    |
| W.M. Hatch      |       |          |       |        | Yes   | 6    |     |       |
| Al Daniels      | D&SL  | 350      |       |        |       | 6    | 6   | 20    |
| Al Daniels      | D&SL  | 560      |       |        |       | 10   |     | 17    |
| Ernest Hicks    |       |          |       |        | Yes   | 3    | 4   |       |
| Carl Hicks      |       |          |       |        | Yes   | 4    |     |       |
| N. G. Conda     |       |          | 800   | 200    |       | 6    | 2   |       |
| John A. Hilkey  |       |          |       |        | Yes   | 26   |     |       |
| H. Holgate      |       |          |       |        | Yes   | 4    |     |       |
| Dean Huntington |       |          |       |        | Yes   | 10   |     |       |
| Joe Saya        |       |          |       |        | Yes   | 6    |     |       |
| P. F. Boese     |       |          | 650   | 210    |       | 4    |     | 2     |
| F. McDermott    | C&S   |          | 6,200 |        |       | 5    | 6   | 5     |
| Wm. Hughes      |       |          | 700   |        |       | 3    |     | 10    |
| D. Huntington   |       |          |       |        | Yes   | 9    | 3   | 13    |
| Jas. Hunt       |       |          |       |        | Yes   | 6    |     |       |
| Frank Kolar     | UP    | 300      |       |        |       | 10   | 6   |       |
| Ray T. Clipp    |       |          | 800   | 100    |       | 9    | 3   |       |
| Albert Iuppa    |       |          |       |        | Yes   | 4    |     |       |
| Henry Zieseniss |       |          |       |        | Yes   | 8    | 6   |       |
| Curtis Johnson  |       |          |       |        | Yes   | 4    | 6   |       |
| H. B. Johnson   |       |          |       |        | Yes   | 3    | 6   | 7     |
| W. D. Bowie     | D&RG  |          |       |        | Yes   | 14   |     | 6-8   |
| Martin Kattnig  |       |          | 677   |        |       | 1    | 10  |       |
| W. R. Keck      |       |          |       |        | Yes   | 2    | 6   |       |
| W. M. Kerr      | D&RG  |          | 500   |        |       | 6    |     | 6     |
| W. D. Bryson    | D&SL  |          |       |        | Yes   | 8    |     | 12    |

| COMPANY              | ADDRESS        | MINE          | ADDRESS    | COUNTY    |
|----------------------|----------------|---------------|------------|-----------|
| King Coal            | Durango        | King          | Same       | La Plata  |
| Klay, Pete           | Trinidad       | Klay          | "          | Las A.    |
| Knez, Jos. L.        | Craig          | Knez          | "          | Moffat    |
| Ko-Z Coal            | Louisville     | Fireside      | "          | Boulder   |
| Ladd, Roy            | Norwood        | Crisp         | "          | San M.    |
| Leader Coal          | Trinidad       | Leader #2     | Pryor      | Huerfano  |
| Lewis & Collins      | Pagosa Springs | Yellow Jacket | Same       | Arch.     |
| Leyden Lignite       | Denver         | Leyden #3     | Leyden     | Jefferson |
| Liley & Merlino      | Broomfield     | Liley         | Same       | Boulder   |
| Linscott & Hamrick   | Mt. Harris     | Hammond       | "          | Routt     |
| Louisville-Lafayette | Louisville     | Hi-Way        | Same       | Boulder   |
| Lovato, John C.      | Valdez         | Lovato        | "          | Las A.    |
| Lovisone & Colarelli | Canon City     | L & C         | "          | Fremont   |
| Lowery, Ray          | Ridgeway       | Columbine     | "          | Ouray     |
| Lyen, Warren E.      | Delta          | Fairview      | "          | Delta     |
| McNeil Coal Corp.    | Denver         | McGregor      | Milner     | Routt     |
| McNeil Coal Corp.    | "              | Sterling      | Dacono     | Weld      |
| Major Coal           | Walsenburg     | Major #2      | Same       | Huerfano  |
| Mamich, John         | Oak Creek      | Big Mack      | "          | Routt     |
| Mancos Coal          | Mancos         | Mancos        | "          | Montez.   |
| Manley Coal          | Canon City     | Manley        | Same       | Fremont   |
| Marshall Coal        | Boulder        | Marshall      | "          | Boulder   |
| Martorano Bros.      | Sopris         | Martorano     | "          | Las A.    |
| Mathews, John        | Oak Creek      | Johnnies      | "          | Routt     |
| Mesa Quality Coal    | Fruita         | Nearing       | "          | Mesa      |
| Mestes, Cecil        | Trinidad       | Starkville #5 | Same       | Las A.    |
| Middle Creek Coal    | Oak Creek      | Middle Creek  | "          | Routt     |
| Minnequa Coal        | Denver         | Morning Glory | Walsenburg | Huerfano  |
| Minoletti Bros.      | Durango        | Minoletti     | Same       | La Plata  |
| Moffat Coal          | Denver         | Moffat #1&#2  | Oak Creek  | Routt     |

| Superintendent   | R. R. | OPENINGS |       |        |        | SEAMS |     |                |     |
|------------------|-------|----------|-------|--------|--------|-------|-----|----------------|-----|
|                  |       | Shaft    | Rock  | Rock   | Drift  | Ft.   | In. | Pitch<br>° - 0 |     |
|                  |       | Depth    | Slope | Tunnel |        |       |     |                |     |
|                  |       |          |       |        | Length |       |     |                |     |
| I. A. Smith      |       |          |       |        | Yes    | 6     | 4   |                |     |
| Pete Klay        |       |          |       |        | Yes    | 2     |     |                |     |
| Jos. L. Knez     |       |          |       | 90     |        | 9     |     |                | 9   |
| J. W. Thomas     |       |          | 542   |        |        | 3     | 9   |                | 10  |
| Roy Ladd         |       |          |       |        | Yes    | 5     | 6   |                | 4   |
| Jos. Jagodnik    |       |          |       |        | Yes    | 3     |     |                | 8   |
| Harold Lewis     |       |          | 50    | 70     |        | 2     |     |                |     |
| C. E. Dollar     | D&IM  | 792      |       |        |        | 7-9   |     |                |     |
| Chas. Liley      |       | 350      |       |        |        | 6     |     |                |     |
| Floyd Hamrick    |       |          | 150   |        |        | 4     | 6   |                | 10  |
| Frank Yakes, Jr. | CB&Q  | 385      |       |        |        | 6     | 6   |                |     |
| John C. Lovato   |       |          |       |        | Yes    | 4     | 7   |                |     |
| T. Colarelli     |       |          |       |        | Yes    | 5     | 8   |                |     |
| Ray Lowery       |       |          | 250   |        |        |       |     |                |     |
| E. M. Humiston   |       |          |       |        | Yes    | 6     | 7   |                |     |
| Walter Scott     |       |          | 200   |        |        | 8     |     |                | 9   |
| A. W. Newcomb    |       | 358      |       |        |        | 6     | 9   |                |     |
| John Cornali     | D&RG  |          | 50    |        |        | 3-6   |     |                |     |
| John Mamich      |       |          | 155   | 145    |        | 5     | 6   |                | 15  |
| Roy Freeman      |       |          |       |        | Yes    | 4     | 8   |                | 4   |
| Chas. L. Manley  |       |          |       |        | Yes    | 4     | 6   |                | 5   |
| C. A. Shafer     |       |          | 100   |        |        | 9     | 6   |                |     |
| M. Martorano     |       |          |       |        | Yes    | 3     |     |                |     |
| John Mathews     |       |          |       |        | Yes    | 4     | 10  |                | 4   |
| George McMillin  |       |          |       |        | Yes    | 5     | 10  |                | 6   |
| Cecil Mestes     |       |          |       |        | Yes    | 4     |     |                |     |
| R. P. Coon       |       |          |       |        | Yes    | 12    |     |                |     |
| George Turner    | D&RG  |          |       |        | Yes    | 4     | 6   |                | 4-9 |
| Pete Minoletti   |       |          |       |        | Yes    | 6     |     |                | 6   |
| Gomer Reese      | D&SL  |          | 2,100 | 3,000  |        | 10    |     |                | 15  |

| COMPANY                | ADDRESS     | MINE             | ADDRESS    | COUNTY   |
|------------------------|-------------|------------------|------------|----------|
| Moffat Coal            | Denver      | Moffat #3-Arhd.  | Oak Creek  | Routt    |
| Montoya, Leo           | Trinidad    | Montoya          | Valdez     | Las A.   |
| Morasky, Joe           | Trinidad    | Grey Creek       | Same       | "        |
| Morasky, Joe           | "           | Morasky          | "          | "        |
| Moschetti, Domenic     | Florence    | Canon Chief      | "          | Fremont  |
| Mt. Carbon             | Gunnison    | Richardson       | Baldwin    | Gunnison |
| Mt. Garfield Coal Mng. | Palisade    | Gearhart         | Same       | Mesa     |
| National Fuel          | Denver      | Eagle            | Erie       | Weld     |
| National Fuel          | "           | Monarch #2       | Broomfield | Boulder  |
| Nix, Ammon E.          | Nucla       | Independence     | Same       | Montrose |
| Nix & Nix              | Nucla       | Sunshine         | Same       | Montrose |
| North Park Coal        | Ft. Collins | Moore            | Coalmont   | Jackson  |
| North Park Coal        | "           | Moore Strip      | "          | "        |
| O.K. Coal              | Durango     | O.K.             | Same       | La Plata |
| Oliver Coal            | Paonia      | Oliver #1        | Somerset   | Gunnison |
| Oliver Coal            | Paonia      | Oliver #2        | Somerset   | Gunnison |
| Oliver, E. O.          | Durango     | Hunt             | Same       | La Plata |
| Ortiz & Mares          | Trinidad    | White Flame      | "          | Las A.   |
| Overcamp, Walter       | Carr        | Pioneer          | "          | Larimer  |
| Owen, W. H.            | Trinidad    | Rugby #2         | Pryor      | Huerfano |
| Owen Est. Coal         | Trinidad    | Prospect #3      | Same       | Las A.   |
| Palmetto & Son         | Grand Jct.  | Thomas           | "          | Mesa     |
| Paolazzi, Clem A.      | New Castle  | Harvey Gap       | "          | Garfield |
| Paonia Farmers         | Paonia      | Paonia-Farmers   | "          | Delta    |
| Partch Brothers        | Gunnison    | Nu-Mine          | "          | Gunnison |
| Pasch, Chris           | Oak Creek   | Edna             | Same       | Routt    |
| Patton, Lloyd L.       | Cedaredge   | Red Can. #1 & #2 | "          | Delta    |
| Peacock Coal           | Canon City  | Peacock          | Florence   | Fremont  |
| Peaks Coal             | Pueblo      | Peaks            | Walsenburg | Huerfano |
| Peck, George A.        | Cedaredge   | Red Mountain     | Same       | Delta    |



| Superintendent    | R. R. | OPENINGS |           |        |       | SEAM |     |              |
|-------------------|-------|----------|-----------|--------|-------|------|-----|--------------|
|                   |       | Shaft    | Rock      | Rock   | Drift | Ft.  | In. | Pitch<br>°-0 |
|                   |       | Depth    | Slope     | Tunnel |       |      |     |              |
|                   |       | Length   |           |        |       |      |     |              |
| Gomer Reese       | D&SL  |          | 1,800     |        |       | 5-7  |     | 15           |
| Leo Montoya       |       |          | 20        |        |       | 2    | 2   |              |
| Joe Morasky       |       |          |           |        | Yes   | 3    | 6   |              |
| Joe Morasky       |       |          |           |        | Yes   | 3-8  |     |              |
| Domonic Moschetti |       |          |           |        | Yes   | 6    | 6   |              |
| Gomer E. Dollard  |       |          |           |        |       | 4    | 8   | 12           |
| W. A. Weaver      |       |          |           |        | Yes   | 5    | 6   | 22           |
| Jas. T. Watson    | UP    | 370      |           |        |       | 9-10 |     | 1            |
| Jas. T. Watson    | C&S   | 375      |           |        |       | 5    |     |              |
| Ammon E. Nix      |       |          |           |        | Yes   | 4    | 8   |              |
| Raymond Nix       |       |          | 270       |        |       | 5    |     | 3            |
| W. Moore          | UP    |          | 300       |        |       | 28   |     | 8            |
| Harry L. Snell    | LNP&W |          | S T R I P |        |       | 32   |     |              |
| Wm. Gerard        |       |          |           |        | Yes   | 5    |     | 6-8          |
| R. C. Oliver      | D&RG  |          | 3,400     | 150    |       | 7    |     | 6            |
| R. C. Oliver      | D&RG  |          |           | 100    |       | 7    |     | 6            |
| E. O. Oliver      |       |          |           |        | Yes   | 5    | 9   |              |
| F. Ortiz          |       |          |           |        |       | 3    |     |              |
| Walter Overcamp   |       |          |           |        |       | 4    | 8   | 20           |
| W. H. Owen        |       |          |           |        | Yes   | 3    | 5   |              |
| Carl Heeren       |       |          |           |        | Yes   | 2    | 4   |              |
| Wm. Rocchio       |       |          |           |        | Yes   | 5    |     | 20           |
| Clem A. Paolazzi  |       |          |           |        | Yes   | 6    | 10  | 47           |
| Merle Fisk        |       |          |           |        | Yes   | 8    | 6   | 12           |
| Jos. E. Partch    |       |          |           |        | Yes   | 6    |     |              |
| Cris Pasch        |       |          | 600       |        |       | 8    | 6   | 8            |
| Earl Patton       |       |          |           |        | Yes   | 4    | 6   |              |
| Frank W. Boben    |       |          | 150       |        |       | 4    |     | 8            |
| Eloy Montez       |       |          |           |        | Yes   | 2    | 8   |              |
| George A. Peck    |       |          |           |        | Yes   | 12   | 10  | 10           |

| COMPANY              | ADDRESS        | MINE         | ADDRESS     | COUNTY   |
|----------------------|----------------|--------------|-------------|----------|
| Peerless Coal        | Durango        | Peerless     | Same        | La Plata |
| Pender & Clift       | Canon City     | Can. Peacock | Florence    | Fremont  |
| Perino Coal          | Florence       | Newlan Creek | Same        | "        |
| Peth, Lutz & Bunch   | Grand Junction | McGinley     | Fruita      | Mesa     |
| Petry, Francis B.    | Florence       | Petry        | Same        | Fremont  |
| Pikes Peak Fuel      | Colo. Springs  | Pikeview     | Pikeview    | El Paso  |
| Pittsburg Coal       | Boulder        | Pittsburg    | Gorham      | Boulder  |
| Pluto Coal Mng.      | "              | Pluto #2     | Superior    | "        |
| Premier Coal         | "              | Premier      | Same        | "        |
| Purcell, J. Russell  | Bayfield       | Blue Jay     | "           | La Plata |
| R. & G. Fuel         | Trinidad       | Jeffries     | Same        | Las A.   |
| Ramsay Coal          | Hayden         | Ramsay #1    | "           | Routt    |
| Ramsay Coal          | "              | Ramsay #2    | "           | "        |
| Rangely Coal         | Oak Creek      | Les-Ash      | Skull Creek | Moffat   |
| Ravenwood Fuel       | Walsenburg     | Ravenwood    | Same        | Huerfano |
| Red Ash Coal         | Walsenburg     | Maitland     | Same        | Huerfano |
| Regal Partners       | Louisville     | Regal        | Lafayette   | Boulder  |
| Reynolds, Jas. A.    | Aguilar        | Black Beauty | Same        | Las A.   |
| Rienau, R. C.        | Meeker         | Rienau       | "           | Rio B.   |
| Riggs, W. E.         | Trinidad       | Forbes #9    | "           | Las A.   |
| Riggs, W. E.         | Trinidad       | Forbes #11   | Same        | Las A.   |
| Riverside Farmers    | Palisade       | Riverside    | "           | Mesa     |
| Rocchio, Nickie      | Florence       | Annex        | "           | Fremont  |
| Rocky Mt. Fuel       | Denver         | Columbine    | Serene      | Weld     |
| Rocky Mt. Fuel       | "              | Industrial   | Superior    | Boulder  |
| Routt County Coal    | Denver         | Routt Co. #1 | Phippsburg  | Routt    |
| Royal Gorge Coal     | Canon City     | Royal Gorge  | Same        | Fremont  |
| Russell, Wm. E. Coal | Denver         | Crown        | Superior    | Boulder  |
| Russell, Wm. E. Coal | "              | Russell      | Frederick   | Weld     |
| Santa Fe Coal        | Trinidad       | Santa Fe     | Same        | Las A.   |

| Superintendent        | R. R. | OPENINGS |           |                  |       | SEAM |     |               |
|-----------------------|-------|----------|-----------|------------------|-------|------|-----|---------------|
|                       |       | Shaft    | Rock      | Rock             | Drift | Ft.  | In. | Pitch<br>°-0' |
|                       |       | Depth    | Slope     | Tunnel<br>Length |       |      |     |               |
| Thos. G. Pierce       |       |          |           |                  | Yes   | 4    | 6   | 6             |
| Chas. C. Pender       |       |          | 175       |                  |       | 5    | 6   | 5             |
| Jas. Perino           |       |          | 1,200     | 358              |       | 3    |     | 5             |
| W. E. Lutz            |       |          |           |                  | Yes   | 5    | 6   |               |
| F. B. Petry           |       |          | 700       |                  |       | 2    | 5   | 6             |
| V. H. Adams           | D&RG  | 174      |           |                  |       | 10   |     | 4             |
| D. H. Davies          |       |          |           |                  | Yes   | 5    |     | 25            |
| Frank E. Hodgson      |       |          | 1,530     |                  |       | 5    |     | 0-50          |
| Frank Delisa          |       |          | 700       |                  |       | 5    |     | 15            |
| J. R. Purcell         |       |          |           |                  | Yes   | 3    |     | 45            |
| R. Trujillo           |       |          |           |                  | Yes   | 3    | 9   |               |
| Ramsay Harris         | D&SL  |          |           |                  | Yes   | 10   | 6   | 10            |
| Ramsay Harris         |       |          |           |                  | Yes   | 10   |     | 15            |
| Frank Gould           |       |          |           |                  | Yes   | 9    |     | 12            |
| A. Martinez           |       |          | 4,500     |                  |       | 2    | 6   | 4             |
| Steve Judiscak        |       |          |           |                  | Yes   | 4    | 7   | 4             |
| Louis Caspar          |       | 285      |           |                  |       | 6    |     |               |
| Jas. A. Reynolds      |       |          | 265       |                  |       | 3    | 7   | 7             |
| R. C. Rienau          |       |          |           |                  | Yes   | 12   | 6   | 21            |
| W. E. Riggs           |       |          | 9,000     | 60               |       | 7    |     |               |
| W. E. Riggs           |       |          | 150       |                  |       | 5    | 6   |               |
| C. C. Spangler        |       |          |           |                  | Yes   | 3    |     |               |
| Nickie Rocchio        |       |          |           |                  | Yes   | 5    |     |               |
| Gerald E. Thorne CB&Q |       | 300      |           |                  |       | 11   |     | 3             |
| Gerald E. Thorne CB&Q |       | 265      |           |                  |       | 5    | 9   |               |
| P. Monahan            |       |          | S T R I P |                  |       | 6    | 10  |               |
| Stanley Pavalsky      | AT&SF |          | 380       | 47               |       | 5    | 10  | 47            |
| Andrew Wilson         |       |          | 238       |                  |       | 7    |     | 1-30          |
| Andrew Wilson         | UP    | 223      |           |                  |       | 5    | 6   |               |
| Thos. Tweeddale       |       |          |           |                  | Yes   | 3    | 6   |               |



| COMPANY                 | ADDRESS        | MINE               | ADDRESS  | COUNTY   |
|-------------------------|----------------|--------------------|----------|----------|
| Santarelli, Tony        | Florence       | Double Dick        | Same     | Fremont  |
| Serroni & Bettini       | Durango        | Castle             | "        | La Plata |
| Serroni, Otto           | "              | Supreme            | "        | "        |
| Shamrock Coal           | Denver         | Shamrock           | Erie     | Weld     |
| Shipley Coal            | Craig          | Blue Streak        | Same     | Rio B.   |
| Smith, A. G.            | Gunnison       | Carbon Creek       | Same     | Gunnison |
| Smith, John             | Trinidad       | Berwind #2         | "        | Las A.   |
| Snooks, Otis H.         | Bayfield       | Triple S           | "        | La Plata |
| So. Blk. Diam. Coal&Oil | Trinidad       | Aguilar Blk. Diam. | Aguilar  | Las A.   |
| So. Canon Mines         | Glenwood Spgs. | So. Canon #1       | Same     | Garfield |
| So. Canon Mines         | Glenwood Spgs. | So. Canon #2       | Same     | Garfield |
| Staley, M. E.           | Vernal, Utah   | White River        | Rangely  | Rio B.   |
| Staples Brothers        | Gunnison       | Ohio Creek         | Same     | Gunnison |
| States Coal             | Cedaredge      | States             | "        | Delta    |
| States, Welland W.      | Cedaredge      | Top                | "        | "        |
| Sterns, C. C.           | Rifle          | Big Three          | Same     | Garfield |
| Stove Canon Coal        | Fruita         | Stove Canon        | "        | "        |
| Strainer, Anton         | Canon City     | Strainer           | Florence | Fremont  |
| Sunlight Coal           | Glenwood Spgs. | North Midland      | Same     | Garfield |
| Sunshine Coal           | Durango        | Sunshine           | "        | La Plata |
| Supancic, Louis         | Cameo          | Riverview          | Same     | Mesa     |
| Sweet Mining            | Walsenburg     | Caddell #2         | "        | Huerfano |
| Tafoya, J. & J.         | Aguilar        | Harnish            | "        | Las A.   |
| Taylor Coal Mng.        | Walsenburg     | Cook               | Ludlow   | "        |
| Taylor Coal Mng.        | "              | Rapson             | Rugby    | "        |
| Taylor Coal Mng.        | Walsenburg     | Rouse              | Pryor    | Huerfano |
| Thor Fuel               | Trinidad       | Thor               | Same     | Las A.   |
| Trinidad Brick&Tile     | "              | Little Mary        | "        | "        |
| Trinidad Brick&Tile     | "              | New Mary           | "        | "        |
| U. S. Coal Corp.        | Denver         | Rice               | Pagoda   | Routt    |

| Superintendent     | R. R. | OPENINGS |        |                  |       | SEAM |     |                |
|--------------------|-------|----------|--------|------------------|-------|------|-----|----------------|
|                    |       | Shaft    | Rock   | Rock             | Drift | Ft.  | In. | Pitch<br>° - ′ |
|                    |       | Depth    | Slope  | Tunnel<br>Length |       |      |     |                |
| Tony Santarelli    |       |          |        |                  | Yes   | 6    |     |                |
| Otto Serroni       | D&RG  |          |        |                  | Yes   | 5    | 5   | 1              |
| Lyle Keith         |       |          |        |                  | Yes   | 6    | 8   | 3              |
| W. E. Morgan       | UP    | 100      |        |                  |       | 9    |     |                |
| Edward C. Shipley  |       |          |        |                  | Yes   | 24   |     | 5              |
| Arthur Smith       |       |          |        | 35               |       | 4    |     |                |
| John Smith         |       |          |        |                  | Yes   | 5    |     |                |
| Otis H. Snooks     |       |          |        |                  | Yes   | 12   |     | 37             |
| Frank Coke         |       |          |        | 100              |       | 5    | 6   |                |
| Reese Llewellyn    |       |          | 550    | 90               |       | 5    | 6   | 55             |
| Reese Llewellyn    |       |          |        | 385              |       | 5    |     | 55             |
| M. E. Staley       |       |          |        |                  | Yes   | 8    | 4   | 11             |
| S. L. Staples, Jr. |       |          |        |                  | Yes   | 5    | 7   |                |
| Ed Marah           |       |          | 140    |                  |       | 14   |     |                |
| Welland W. States  |       |          |        |                  | Yes   | 7    |     |                |
| Jas. LaDonne       |       |          |        | 200              |       | 8-10 |     | 80             |
| Frank E. Youngman  |       |          |        |                  | Yes   | 4-7  |     | 7              |
| Anton Strainer     |       |          |        |                  | Yes   | 3    | 6   | 3              |
| F. L. Prendergast  |       |          |        |                  | Yes   | 9    | 6   | 40             |
| Veva P. Alling     |       |          |        |                  | Yes   | 6    |     |                |
| Louis Supancic     |       |          |        |                  | Yes   | 5    |     | 5              |
| Fred J. Sweet      |       |          | 200    |                  |       | 4    |     | 6              |
| Juan Tafoya        |       |          | 300    |                  |       | 3    | 8   |                |
| Carl Tesitor       | C&S   |          |        |                  | Yes   | 3    | 2   | 11             |
| Carl Tesitor       | C&S   |          | 3, 000 |                  |       | 5    | 6   | 7              |
| Anthony Tesitor    | D&RG  |          | 400    | 200              |       | 5    | 2   | 7              |
| Eph. Wagstaff      | C&S   |          | 800    |                  |       | 7    |     | 4              |
| F. C. Nichols, Jr. |       |          |        |                  | Yes   | 3    |     | 1              |
| Pete Ruiz          |       |          |        |                  | Yes   | 3    |     | 1              |
| D. H. Siegfried    |       |          |        |                  | Yes   | 10   | 6   | 18             |

| COMPANY                | ADDRESS        | MINE           | ADDRESS    | COUNTY    |
|------------------------|----------------|----------------|------------|-----------|
| U. S. Vanadium Corp.   | Uravan         | Liberty Bell   | Same       | Montrose  |
| Valley View Coal       | Dolores        | Valley View    | Mancos     | La Plata  |
| Vanad. Corp. of Amer.  | Naturita       | Fiddling Bill  | Same       | Montrose  |
| Vento Coal             | Florence       | Vento          | "          | Fremont   |
| Victor-Amer. Fuel      | Denver         | Delagua        | Delagua    | Las A.    |
| Victor-Amer. Fuel      | Denver         | Delagua #5     | Delagua    | Las A.    |
| Victor-Amer. Fuel      | "              | Pinnacle       | Oak Creek  | Routt     |
| Victor-Amer. Fuel      | "              | Wadge          | Mt. Harris | "         |
| Victory Coal           | Durango        | Victory        | Same       | La Plata  |
| Vidmar, Charles        | Palisade       | Blue Flame     | "          | Mesa      |
| Vigil, Albert          | Trinidad       | Labor          | Same       | Las A.    |
| Vigil, Frank & Phil    | Valdez         | Vigil          | "          | "         |
| Ward, Roy S.           | Fruita         | Coal Gulch     | "          | Mesa      |
| Weisbeck, George       | Hamilton       | Weisbeck       | "          | Moffat    |
| Werner, R. A.          | Milner         | Dixie          | "          | Routt     |
| Whicker, H. L. & Son   | Lay            | Wisconsin      | Same       | Moffat    |
| Williamson, R. H.      | Matheson       | White Ash      | "          | Elbert    |
| Williamson, R. H. & J. | W. Englewood   | Mt. Carbon     | Morrison   | Jefferson |
| Wilson, Bruce D.       | Grand Junction | Farmers Mutual | Palisade   | Mesa      |
| Wilson, Glen E.        | Cortez         | Montezuma      | Same       | Montez.   |
| Wolverton, T. S.       | Paonia         | Delta W.       | Same       | Delta     |
| Wright Fuel            | Hesperus       | Wright #1      | "          | La Plata  |
| Wright Fuel            | "              | Wright #2      | "          | "         |
| Yampa Valley Coal      | Craig          | Victory        | "          | Moffat    |
| Zellitti, F. & N.      | Durango        | Morning Star   | "          | La Plata  |
| Zieseniss, Henry       | Rifle          | Zieseniss      | "          | Garfield  |

| Superintendent   | R. R. | OPENINGS |        |        |       | SEAM |     |                |
|------------------|-------|----------|--------|--------|-------|------|-----|----------------|
|                  |       | Shaft    | Rock   | Rock   | Drift | Ft.  | In. | Pitch<br>% - 0 |
|                  |       | Depth    | Slope  | Tunnel |       |      |     |                |
|                  |       | Length   |        |        |       |      |     |                |
| J. L. Robison    |       |          |        |        | Yes   | 7    |     | 1              |
| J. D. Simmons    |       |          |        |        | Yes   | 5    | 4   |                |
| E. L. Hanson     |       |          |        |        | Yes   | 6    | 6   |                |
| Tony Vento       |       |          |        |        | Yes   | 6    |     | 4              |
| H. C. Johnson    | C&S   |          | 3, 000 |        |       | 4    |     | 6              |
| H. C. Johnson    | C&S   |          |        |        | Yes   | 5    |     | 6              |
| Wm. E. Peachey   | D&SL  |          |        |        | Yes   | 4-12 |     | 4-20           |
| Geo. M. Shields  | D&SL  |          |        |        | Yes   | 8    | 6   | 16             |
| Wm. Gerard       |       |          |        |        | Yes   | 6    |     | 6              |
| Chas. Widmar     |       |          |        |        | Yes   | 5    | 2   | 3              |
| Albert T. Vigil  |       |          |        |        | Yes   | 3    |     |                |
| Frank Vigil      |       |          |        |        | Yes   | 3    | 4   |                |
| Roy S. Ward      |       |          |        |        | Yes   | 5    | 6   | 2              |
| George Weisbeck  |       |          | 150    |        |       | 8    |     |                |
| R. A. Werner     |       |          |        | 300    |       | 5    | 6   | 14             |
| H. L. Whicker    |       |          |        |        | Yes   | 10   |     |                |
| R. H. Williamson |       | 72       |        |        |       | 12   |     |                |
| R. H. Williamson |       |          | 297    |        |       | 4    | 6   | 78             |
| Bruce D. Wilson  |       |          | 500    |        |       | 2    | 6   | 28             |
| Glen E. Wilson   |       |          |        |        | Yes   | 4    |     |                |
| T. S. Wolverton  |       |          |        |        | Yes   | 20   |     | 3              |
| C. L. Wright     |       |          |        |        | Yes   | 5    | 8   |                |
| Glenn Wright     |       |          |        |        | Yes   | 5    | 10  |                |
| John Babb        |       |          |        |        | Yes   | 12   |     | 13             |
| Frank Zellitti   |       |          |        |        | Yes   | 5    | 10  | 6              |
| Henry Zieseniss  |       |          |        | 286    |       | 6    | 6   | 72             |



REPORT OF PRODUCTION -- Men, Days, Accidents-By County-By Mine

| COUNTY            | OPERATOR -<br>COMPANY | MEN  |      |      | DAYS   |      |      |
|-------------------|-----------------------|------|------|------|--------|------|------|
|                   |                       | 1944 | 1945 | 1946 | (av. ) |      |      |
| MINE              |                       | 1944 | 1945 | 1946 | 1944   | 1945 | 1946 |
| <u>ARCHULETA</u>  |                       |      |      |      |        |      |      |
| Bellino           | Frank Bellino         | 1    | 1    | 1    | 45     | 100  | 104  |
| Columbine         | Leroy R. Crane        | 1    | 1    | 1    | 108    | 65   | 169  |
| Yellow Jacket     | Lewis & Collins       | 2    | -    | 4    | 46     | -    | 46   |
| Totals            |                       | 4    | 2    | 6    | 66     | 83   | 106  |
| <u>BOULDER</u>    |                       |      |      |      |        |      |      |
| Blk. Diam. #2     | Blk. Diamond Fuel     | 35   | 35   | 30   | 241    | 235  | 188  |
| Centennial        | Boulder Val. Coal     | 146  | 131  | 137  | 253    | 240  | 199  |
| Crown             | W. E. Russell Coal    | 45   | 37   | 34   | 258    | 230  | 172  |
| Fireside          | Ko-Z Coal             | 4    | -    | -    | 112    | -    | -    |
| Highview          | Highview Coal         | 6    | -    | -    | 53     | -    | -    |
| Hi-Way            | Louisville-Laf. Coal  | 106  | 100  | 110  | 137    | 247  | 176  |
| Industrial        | Rocky Mt. Fuel        | 56   | 52   | -    | 252    | 112  | -    |
| Liley             | Liley & Merlino       | 8    | 7    | 8    | 242    | 230  | 195  |
| Marshall (York)   | Marshall Coal         | -    | -    | 2    | -      | -    | 152  |
| Monarch #2        | National Fuel         | 58   | 58   | 61   | 246    | 272  | 239  |
| New Gorham        | Courtier& Conda       | 6    | 7    | 6    | 216    | 249  | 256  |
| Pittsburg         | Pittsburg Coal        | 3    | 3    | 2    | 295    | 259  | 105  |
| Pluto #2          | Pluto Coal Mng.       | 16   | 16   | 15   | 263    | 251  | 195  |
| Premier           | Premier Coal          | 2    | -    | -    | 123    | -    | -    |
| Regal             | Regal Partners        | 22   | 13   | 9    | 289    | 185  | 125  |
| S. Gorham         | Argo Mining           | 3    | 1    | 2    | 252    | 278  | 280  |
| York              | Marshall Coal         | -    | 2    | -    | -      | 100  | -    |
| Totals            |                       | 516  | 462  | 416  | 215    | 222  | 190  |
| <u>DELTA</u>      |                       |      |      |      |        |      |      |
| Blk. Diamond      | Leo O. Brogan         | -    | -    | 3    | -      | -    | 51   |
| Delta W.          | T. S. Wolverton       | 2    | 2    | 2    | 200    | 215  | 179  |
| Fairview          | Warren E. Lyen        | -    | 2    | 9    | -      | 55   | 145  |
| Green Valley      | Green Valley Coal     | 5    | 4    | 4    | 306    | 303  | 315  |
| Indep. & Ideal    | Independent Fuel      | 5    | 7    | 21   | 216    | 239  | 213  |
| King              | Juanita Coal&Coke     | 45   | 44   | 55   | 306    | 301  | 224  |
| Paonia Farmers    | Paonia Far. Coal      | 6    | 7    | 3    | 250    | 270  | 232  |
| Red Canon #1 & #2 | Lloyd L. Patton       | 8    | 8    | 8    | 269    | 300  | 300  |
| Red Mountain      | George A. Peck        | -    | 7    | 5    | -      | 282  | 67   |
| States            | States Coal           | 4    | 5    | 5    | 183    | 215  | 52   |
| Top               | Welland W. States     | 4    | 5    | 6    | 270    | 305  | 248  |
| Winton            | Bowen Fuel            | 8    | 13   | 9    | 247    | 257  | 103  |
| Totals            |                       | 87   | 104  | 130  | 250    | 249  | 164  |

PRODUCTION -- ACCIDENTS - 1944 - 1945 - 1946

| PRODUCTION |         |         | ACCIDENTS  |      |      |        |      |      |
|------------|---------|---------|------------|------|------|--------|------|------|
| 1944       | 1945    | 1946    | Non-Fatals |      |      | Fatals |      |      |
|            |         |         | 1944       | 1945 | 1946 | 1944   | 1945 | 1946 |
| 58         | 124     | 165     | -          | -    | -    | -      | -    | -    |
| 256        | 62      | 234     | -          | -    | -    | -      | -    | -    |
| 114        | -       | 301     | -          | -    | -    | -      | -    | -    |
| 428        | 186     | 700     | -          | -    | -    | -      | -    | -    |
| 41,132     | 35,969  | 21,019  | 5          | 5    | -    | -      | -    | -    |
| 153,449    | 122,790 | 129,542 | 23         | 18   | 5    | -      | -    | -    |
| 71,543     | 47,133  | 40,374  | 6          | 8    | 2    | -      | -    | -    |
| 772        | -       | -       | 1          | -    | -    | -      | -    | -    |
| 1,582      | -       | -       | -          | -    | -    | -      | -    | -    |
| 150,942    | 143,663 | 108,048 | 4          | 7    | 6    | -      | -    | -    |
| 82,047     | 28,111  | -       | 6          | 2    | -    | -      | -    | -    |
| 10,537     | 9,752   | 7,745   | 2          | 1    | 2    | -      | -    | -    |
| -          | -       | 475     | -          | -    | -    | -      | -    | -    |
| 57,536     | 60,895  | 54,028  | 12         | 13   | 3    | -      | -    | -    |
| 1,607      | 5,497   | 6,438   | -          | 3    | 2    | -      | -    | -    |
| 1,313      | 688     | 279     | 1          | -    | -    | -      | 1    | -    |
| 16,827     | 17,018  | 11,701  | 3          | 4    | 1    | -      | -    | -    |
| 658        | -       | -       | -          | -    | -    | -      | -    | -    |
| 15,794     | 6,388   | 1,117   | 4          | 2    | -    | -      | 1    | -    |
| 1,210      | 470     | 975     | -          | -    | 1    | -      | -    | -    |
| -          | 500     | -       | -          | -    | -    | -      | -    | -    |
| 606,949    | 478,874 | 381,741 | 67         | 63   | 22   | -      | 2    | -    |
| -          | -       | 260     | -          | -    | -    | -      | -    | -    |
| 1,346      | 2,526   | 2,005   | -          | -    | -    | -      | -    | -    |
| -          | 400     | 3,496   | -          | -    | -    | -      | -    | -    |
| 6,012      | 5,417   | 3,098   | -          | -    | -    | -      | -    | -    |
| 6,865      | 12,589  | 9,575   | -          | -    | -    | -      | -    | -    |
| 67,095     | 61,893  | 58,398  | 7          | 4    | 4    | -      | -    | -    |
| 8,795      | 10,082  | 4,735   | 1          | -    | -    | -      | -    | -    |
| 8,186      | 10,409  | 9,744   | -          | 1    | 1    | -      | -    | -    |
| -          | 6,561   | 1,009   | -          | -    | -    | -      | -    | -    |
| 5,578      | 8,057   | 1,912   | -          | 2    | -    | -      | -    | -    |
| 4,734      | 5,110   | 5,879   | -          | -    | -    | -      | -    | -    |
| 11,087     | 10,405  | 5,091   | -          | 1    | 2    | -      | -    | -    |
| 119,698    | 133,449 | 105,202 | 8          | 8    | 7    | -      | -    | -    |

| COUNTY               | OPERATOR -<br>COMPANY | MEN  |      |      | DAYS  |      |      |
|----------------------|-----------------------|------|------|------|-------|------|------|
|                      |                       | 1944 | 1945 | 1946 | (av.) |      |      |
| MINE                 |                       |      |      |      | 1944  | 1945 | 1946 |
| <b>ELBERT</b>        |                       |      |      |      |       |      |      |
| White Ash            | R. H. Williamson      | 3    | 3    | 3    | 221   | 212  | 144  |
| Totals               |                       | 3    | 3    | 3    | 221   | 212  | 144  |
| <b>EL PASO</b>       |                       |      |      |      |       |      |      |
| Busy Bee             | Frank Ausec           | 5    | 5    | 5    | 296   | 310  | 194  |
| City Mines           | Colo. Springs Co.     | 38   | 37   | 29   | 290   | 283  | 230  |
| Franceville          | Franceville Coal      | 12   | 12   | 10   | 299   | 289  | 305  |
| Pikeview             | Pikes Peak Fuel       | 139  | 137  | 135  | 228   | 247  | 236  |
| Totals               |                       | 194  | 191  | 179  | 278   | 282  | 241  |
| <b>FREMONT</b>       |                       |      |      |      |       |      |      |
| Annex                | Nickie Rocchio        | 4    | 3    | 4    | 226   | 240  | 173  |
| Brook (Strainer)     | Brook Coal            | -    | 4    | -    | -     | 41   | -    |
| Brookside            | Brookside Coal Mng.   | 6    | 5    | 5    | 252   | 265  | 185  |
| Caldirola            | Berardi & Berta       | 31   | 22   | 14   | 255   | 243  | 166  |
| Canon Bl. Diam.      | Can. Bl. Diam. Coal   | 17   | 21   | 27   | 283   | 289  | 228  |
| Canon Chief          | Domenic Moschetti     | 10   | 8    | 10   | 298   | 287  | 287  |
| Canon City           | Jack Cupeuch          | 3    | 3    | 3    | 165   | 166  | 151  |
| Canon Liberty        | Caldirola Coal        | 13   | 15   | 11   | 265   | 254  | 206  |
| Canon Mon. Mines     | Can. Monarch Coal     | 21   | 15   | 14   | 293   | 258  | 180  |
| Canon National       | Can. National Coal    | 24   | 21   | 21   | 306   | 307  | 209  |
| Canon Peacock        | Pender & Clift        | -    | -    | 7    | -     | -    | 197  |
| Canon Shamrock       | Can. Shamrock Coal    | 14   | 10   | 7    | 262   | 249  | 225  |
| Canon Tiger #2       | Hiland Coal           | 3    | -    | -    | 217   | -    | -    |
| Canon Zenith         | Duca & Verlengia      | 8    | 6    | 5    | 271   | 231  | 197  |
| Cedar Canon          | Giuliano & Sons       | 50   | 48   | 42   | 273   | 249  | 146  |
| Chandler Creek       | Griffiths Coal Mng.   | 26   | 27   | 27   | 296   | 254  | 214  |
| Corley #6            | Corley Coal           | 21   | 21   | 17   | 280   | 275  | 179  |
| Double Dick          | Tony Santarelli       | 11   | 11   | 13   | 102   | 288  | 201  |
| Falgien (Nushaft)    | Falgien Coal          | -    | -    | 2    | -     | -    | 85   |
| Glendine (Can. Tig.) | Canon Tiger Coal      | -    | 3    | -    | -     | 77   | -    |
| L. & C.              | Lovisone & Colarelli  | -    | -    | 3    | -     | -    | 106  |
| Manley               | Manley Coal           | 10   | 8    | 7    | 217   | 193  | 132  |
| Mt. View Clsd.       | Florence Coals, Inc.  | 12   | -    | -    | 121   | -    | -    |
| Newlan Creek "       | Perino Coal           | 3    | -    | -    | 120   | -    | -    |
| Peacock              | Peacock Coal          | 7    | 6    | -    | 162   | 84   | -    |
| Petry                | Francis B. Petry      | -    | -    | 1    | -     | -    | 100  |
| Pine Gulch           | Can. Monarch Coal     | 16   | 16   | 23   | 277   | 233  | 205  |
| Rex Carbon           | Cribbs-Goodman        | 32   | 26   | 28   | 278   | 274  | 195  |
| Rockvale #3          | C. F. & I. Corp.      | 128  | 105  | 95   | 306   | 278  | 206  |
| Royal Gorge          | Royal Gorge Coal      | 18   | 18   | 16   | 266   | 242  | 170  |



| PRODUCTION |         |         | ACCIDENTS  |      |      |        |      |      |
|------------|---------|---------|------------|------|------|--------|------|------|
| 1944       | 1945    | 1946    | Non-Fatals |      |      | Fatals |      |      |
|            |         |         | 1944       | 1945 | 1946 | 1944   | 1945 | 1946 |
| 2,428      | 1,832   | 1,189   | -          | -    | -    | -      | -    | -    |
| 2,428      | 1,832   | 1,189   | -          | -    | -    | -      | -    | -    |
| 3,356      | 3,194   | 2,749   | 2          | 2    | -    | -      | -    | -    |
| 36,992     | 30,523  | 19,099  | -          | 2    | 5    | 1      | -    | 1    |
| 14,551     | 14,565  | 10,337  | 3          | 3    | 1    | -      | -    | -    |
| 177,354    | 166,961 | 159,020 | 16         | 24   | 8    | 2      | -    | 1    |
| 232,253    | 215,243 | 191,205 | 21         | 31   | 14   | 3      | -    | 2    |
| 2,479      | 2,204   | 3,420   | 2          | -    | 1    | -      | -    | -    |
| -          | 151     | -       | -          | 1    | -    | -      | -    | -    |
| 2,719      | 2,870   | 2,473   | 1          | -    | 1    | -      | -    | -    |
| 36,107     | 25,252  | 11,047  | 6          | 6    | 2    | 1      | -    | -    |
| 40,419     | 44,779  | 52,080  | 1          | 1    | 5    | -      | -    | -    |
| 29,179     | 26,810  | 24,790  | -          | 2    | 3    | -      | -    | -    |
| 933        | 916     | 743     | -          | -    | -    | -      | -    | -    |
| 10,362     | 9,593   | 5,385   | 2          | 4    | 2    | -      | 1    | -    |
| 19,427     | 9,963   | 6,997   | 3          | 2    | 3    | -      | 1    | -    |
| 48,323     | 36,834  | 32,870  | 3          | 2    | -    | -      | -    | -    |
| -          | -       | 3,375   | -          | -    | -    | -      | -    | -    |
| 13,834     | 11,384  | 6,981   | 2          | -    | 1    | -      | -    | -    |
| 1,881      | -       | -       | -          | -    | -    | -      | -    | -    |
| 6,122      | 4,638   | 3,918   | -          | -    | 1    | -      | -    | -    |
| 87,138     | 71,571  | 37,451  | 1          | 6    | -    | -      | -    | -    |
| 31,316     | 29,787  | 23,779  | 2          | 2    | 1    | -      | -    | -    |
| 36,750     | 28,131  | 17,501  | -          | 4    | 2    | -      | -    | -    |
| 6,823      | 17,111  | 14,644  | -          | 1    | 1    | -      | -    | -    |
| -          | -       | 255     | -          | -    | -    | -      | -    | -    |
| -          | 611     | -       | -          | 1    | -    | -      | -    | -    |
| -          | -       | 1,248   | -          | -    | -    | -      | -    | -    |
| 5,601      | 4,321   | 3,052   | -          | -    | 1    | -      | -    | -    |
| 3,864      | -       | -       | -          | -    | -    | -      | -    | -    |
| 631        | -       | -       | -          | -    | -    | -      | -    | -    |
| 3,445      | 2,298   | -       | -          | -    | -    | -      | -    | -    |
| -          | -       | 48      | -          | -    | -    | -      | -    | -    |
| 15,943     | 14,555  | 17,150  | 3          | 3    | 2    | 1      | -    | -    |
| 38,800     | 36,900  | 32,220  | 5          | 8    | -    | -      | -    | -    |
| 126,783    | 114,404 | 74,662  | 17         | 9    | 3    | -      | 1    | -    |
| 16,598     | 17,201  | 7,678   | 1          | 1    | 2    | -      | -    | -    |

| COUNTY               | OPERATOR -<br>COMPANY | MEN  |      |      | DAYS  |      |      |
|----------------------|-----------------------|------|------|------|-------|------|------|
|                      |                       | 1944 | 1945 | 1946 | (av.) |      |      |
| MINE                 |                       | 1944 | 1945 | 1946 | 1944  | 1945 | 1946 |
| <b>FREMONT Cont.</b> |                       |      |      |      |       |      |      |
| Strainer             | Anton Strainer        | 3    | -    | -    | 77    | -    | -    |
| Vento                | Vento Coal            | 25   | 21   | 9    | 307   | 258  | 189  |
| White Ash #1         | Martin Kattnig        | 1    | 1    | 2    | 248   | 265  | 248  |
| Totals               |                       | 517  | 444  | 413  | 237   | 232  | 184  |
| <b>GARFIELD</b>      |                       |      |      |      |       |      |      |
| Atlas                | Bendetti Bros.        | -    | -    | 2    | -     | -    | 180  |
| Big Three            | C. C. Sterns          | 4    | 3    | 6    | 73    | 308  | 288  |
| Dalsas Clsd.         | Dalsas & Son          | 2    | 2    | -    | 200   | 300  | -    |
| Diamond              | Diamond Fuel          | 1    | 2    | 2    | 30    | 247  | 219  |
| Harvey Gap           | Clem A. Paolazzi      | 3    | 4    | 5    | 305   | 288  | 283  |
| I. H. I. #1 Clsd.    | Wm. Haas & Son        | 2    | 2    | -    | 239   | 252  | -    |
| I. H. I. #2          | Wm. Haas & Son        | -    | -    | 2    | -     | -    | 215  |
| Monger               | Noah H. Halcumb       | -    | -    | 2    | -     | -    | 82   |
| New Castle           | W. E. Coles           | 9    | 8    | 8    | 259   | 275  | 214  |
| North Midland        | Sunlight Coal         | -    | -    | 7    | -     | -    | 200  |
| Rio Blanco           | C. P. Coal            | -    | 7    | 5    | -     | 239  | 180  |
| S. Canon #1          | S. Canon Mines        | 20   | 15   | 11   | 307   | 291  | 282  |
| S. Canon #2          | S. Canon Mines        | 4    | 5    | 3    | 155   | 282  | 74   |
| Stove Canon          | Stove Canon Coal      | 7    | 6    | 9    | 271   | 217  | 63   |
| Zieseniss-Clsd.      | Henry Zieseniss       | 1    | -    | -    | 33    | -    | -    |
| Totals               |                       | 53   | 54   | 62   | 187   | 270  | 190  |
| <b>GUNNISON</b>      |                       |      |      |      |       |      |      |
| Alpine Clsd.         | Alpine Fuel           | 46   | 39   | 39   | 261   | 247  | 75   |
| Baldwin Star         | James Hare, Jr.       | 1    | 1    | 3    | 270   | 184  | 282  |
| Bear                 | Bear Coal             | 32   | 44   | 50   | 258   | 294  | 167  |
| Bulkley #2 Clsd.     | Crested Butte Coal    | 19   | -    | -    | 98    | -    | -    |
| Carbon Crk. Clsd.    | Arthur G. Smith       | 2    | -    | -    | 17    | -    | -    |
| Crested Butte        | C. F. & I. Corp.      | 150  | 131  | 145  | 308   | 294  | 238  |
| Edwards              | Clark Coal            | 12   | 32   | 42   | 243   | 309  | 175  |
| Hawk's Nest          | Clement Audin & Sons  | 18   | 21   | 21   | 276   | 291  | 202  |
| Horace               | Horace Anth. Miners   | 3    | 3    | 4    | 192   | 165  | 121  |
| Kubler (N. Baldwin)  | Alpine Fuel           | -    | -    | 13   | -     | -    | 105  |
| Nu-Mine              | Partch Bros.          | 7    | 9    | 13   | 223   | 224  | 232  |
| Ohio Creek           | Staples Bros.         | 3    | 2    | 3    | 264   | 298  | 296  |
| Oliver #1 Clsd.      | Oliver Coal           | 41   | -    | -    | 295   | -    | -    |
| Oliver #2            | Oliver Coal           | -    | 44   | 49   | -     | 293  | 218  |
| Richardson Clsd.     | Mt. Carbon Anth.      | 1    | 1    | -    | 105   | 3    | -    |
| Somerset             | Calumet Fuel          | 143  | 148  | 160  | 304   | 302  | 207  |
| Totals               |                       | 478  | 475  | 542  | 222   | 242  | 193  |

| PRODUCTION |         |         | ACCIDENTS  |      |      |        |      |      |
|------------|---------|---------|------------|------|------|--------|------|------|
| 1944       | 1945    | 1946    | Non-Fatals |      |      | Fatals |      |      |
|            |         |         | 1944       | 1945 | 1946 | 1944   | 1945 | 1946 |
| 371        | -       | -       | -          | -    | -    | -      | -    | -    |
| 36,435     | 44,577  | 14,178  | -          | 1    | -    | -      | -    | -    |
| 485        | 499     | 680     | -          | -    | -    | -      | -    | -    |
| 622,768    | 557,360 | 398,625 | 49         | 54   | 31   | 2      | 3    | -    |
| -          | -       | 295     | -          | -    | -    | -      | -    | -    |
| 427        | 2,856   | 10,771  | -          | -    | -    | -      | -    | -    |
| 815        | 849     | -       | -          | -    | -    | -      | -    | -    |
| 171        | 680     | 993     | -          | -    | -    | -      | -    | -    |
| 4,307      | 5,970   | 4,283   | -          | -    | 1    | -      | -    | -    |
| 1,937      | 2,648   | -       | -          | -    | -    | -      | -    | -    |
| -          | -       | 2,677   | -          | -    | -    | -      | -    | -    |
| -          | -       | 197     | -          | -    | 1    | -      | -    | -    |
| 9,620      | 6,661   | 6,065   | -          | 1    | -    | -      | -    | -    |
| -          | -       | 3,071   | -          | -    | -    | -      | -    | -    |
| -          | 4,607   | 3,768   | -          | -    | 1    | -      | -    | -    |
| 25,854     | 22,133  | 14,798  | 5          | 5    | 3    | -      | -    | -    |
| 6,539      | 7,985   | 1,805   | 1          | 1    | -    | -      | -    | -    |
| 6,968      | 4,716   | 1,966   | -          | -    | -    | -      | -    | -    |
| 227        | -       | -       | -          | -    | -    | -      | -    | -    |
| 56,865     | 59,105  | 50,689  | 6          | 7    | 6    | -      | -    | -    |
| 50,319     | 36,788  | 11,467  | 7          | 5    | -    | -      | -    | -    |
| 3,129      | 2,080   | 2,486   | -          | -    | 1    | -      | -    | -    |
| 55,517     | 75,318  | 59,375  | 4          | 4    | 5    | -      | -    | -    |
| 8,921      | -       | -       | 2          | -    | -    | -      | -    | -    |
| 25         | -       | -       | -          | -    | -    | -      | -    | -    |
| 200,351    | 161,364 | 142,683 | 19         | 22   | 10   | -      | -    | 1    |
| 19,177     | 42,773  | 46,474  | 4          | 6    | 1    | -      | -    | -    |
| 25,896     | 33,659  | 26,839  | 2          | 2    | 1    | -      | -    | -    |
| 1,745      | 1,430   | 2,279   | -          | -    | -    | -      | -    | -    |
| -          | -       | 991     | -          | -    | -    | -      | -    | -    |
| 7,910      | 9,073   | 14,565  | 1          | 1    | 1    | -      | -    | -    |
| 1,742      | 1,844   | 1,972   | -          | -    | -    | -      | -    | -    |
| 82,552     | -       | -       | 3          | -    | -    | -      | -    | -    |
| -          | 115,608 | 89,894  | -          | 3    | 4    | -      | -    | -    |
| 645        | 19      | -       | -          | -    | -    | -      | -    | -    |
| 293,816    | 298,612 | 211,316 | 19         | 23   | 9    | -      | 1    | -    |
| 751,745    | 778,568 | 610,341 | 61         | 66   | 32   | -      | 1    | 1    |



| COUNTY            | OPERATOR -<br>COMPANY | MEN  |      |       | DAYS  |       |      |
|-------------------|-----------------------|------|------|-------|-------|-------|------|
|                   |                       | 1944 | 1945 | 1946  | (av.) |       |      |
| MINE              |                       |      |      |       | 1944  | 1945  | 1946 |
| <b>HUERFANO</b>   |                       |      |      |       |       |       |      |
| Black Beauty      | Giordano Coal         | 30   | 26   | 29    | 243   | 242   | 153  |
| Blue Blaze        | Blue Blaze Coal       | 3    | -    | -     | 151   | -     | -    |
| Butte Valley      | Butte Valley Coal     | 69   | 58   | 58    | 288   | 265   | 171  |
| Caddell #2        | Sweet Mining          | 6    | 2    | 2     | 237   | 230   | 26   |
| Calumet #2        | Calumet Fuel          | 116  | 115  | 122   | 305   | 301   | 210  |
| Carbon (Murrell)  | Carbon Coal           | -    | -    | 3     | -     | -     | 65   |
| Gordon            | Gordon Coal           | 95   | 88   | 83    | 295   | 284   | 174  |
| Kebler #2         | C. F. & I. Corp.      | 171  | 186  | 165   | 306   | 290   | 189  |
| Leader #2         | Leader Coal           | 9    | 8    | 6     | 266   | 271   | 252  |
| Maitland          | Red Ash Coal          | 18   | 21   | 23    | 249   | 230   | 187  |
| Major #2          | Major Coal            | 42   | 37   | 30    | 276   | 281   | 185  |
| Morning Glory     | Minnequa Coal         | 42   | 92   | 90    | 276   | 284   | 217  |
| Peaks (Sunshine)  | Peaks Coal            | -    | -    | 4     | -     | -     | 175  |
| Pictou            | C. F. & I. Corp.      | -    | -    | 36    | -     | -     | 166  |
| Pryor (New)       | Blue Blaze Coal       | -    | 5    | 7     | -     | 202   | 161  |
| Ravenwood Clsd.   | Ravenwood Fuel        | -    | 3    | -     | -     | 70    | -    |
| Robinson #4       | C. F. & I. Corp.      | 138  | 88   | 58    | 305   | 294   | 143  |
| Rouse             | Taylor Coal Mng.      | 84   | 57   | 42    | 296   | 279   | 178  |
| Rugby #1 Clsd.    | Maude M. Gulley       | 4    | 2    | -     | 190   | 58    | -    |
| Rugby #2          | W. H. Owen            | -    | 2    | 3     | -     | 44    | 110  |
| Sunshine (Peaks)  | John Klantchnek       | -    | 3    | -     | -     | 271   | -    |
| Toltec #2 Clsd.   | Cannon & Loftus       | 2    | -    | -     | 209   | -     | -    |
| Totals            |                       | 829  | 793  | 761   | 259   | 229   | 163  |
| <b>JACKSON</b>    |                       |      |      |       |       |       |      |
| Marr              | George M. Barnell     | 3    | -    | 4     | 104   | -     | 287  |
| Marr Strip        | George M. Barnell     | -    | 5    | -     | -     | 101   | -    |
| Moore&Moore Strip | North Park Coal       | 10   | 5    | 6     | 120   | 247   | 152  |
| Totals            |                       | 13   | 10   | 10    | 112   | 174   | 220  |
| <b>JEFFERSON</b>  |                       |      |      |       |       |       |      |
| Capitol (Caprock) | Capitol Coal          | 9    | 10   | 14    | 269   | 221   | 195  |
| Leyden #3         | Leyden Lignite        | 102  | 96   | 110   | 210   | 260   | 208  |
| Mt. Carbon Anth.  | R.H.&I.W. Williamson  | 2    | -    | Clsd. | 52    | Clsd. | *    |
| Toppan Clsd.      | Biggens Coal          | -    | 2    | -     | -     | 114   | -    |
| Totals            |                       | 113  | 108  | 124   | 177   | 198   | 202  |
| <b>LA PLATA</b>   |                       |      |      |       |       |       |      |
| Blue Jay Clsd.    | J. Russell Purcell    | 2    | -    | -     | 66    | -     | -    |
| Carbon Jct. Clsd. | Curtis Johnson        | 1    | -    | -     | 125   | -     | -    |
| Castle            | Serroni & Bettini     | 8    | 8    | 7     | 247   | 220   | 200  |
| Coal King         | Vernon Cason          | 5    | 5    | 3     | 255   | 232   | 258  |
| Dunn              | L. F. Dunn, Jr.       | 3    | 3    | 2     | 196   | 191   | 120  |



| PRODUCTION |         |         | ACCIDENTS  |      |      |        |      |      |
|------------|---------|---------|------------|------|------|--------|------|------|
| 1944       | 1945    | 1946    | Non-Fatals |      |      | Fatals |      |      |
|            |         |         | 1944       | 1945 | 1946 | 1944   | 1945 | 1946 |
| 19,413     | 17,643  | 14,353  | 10         | 7    | 4    | -      | -    | -    |
| 1,965      | -       | -       | 1          | -    | -    | -      | -    | -    |
| 69,815     | 48,321  | 32,674  | 6          | 8    | 2    | 1      | -    | 1    |
| 3,288      | 826     | 175     | 3          | -    | -    | -      | -    | -    |
| 173,013    | 156,321 | 125,254 | 30         | 13   | 10   | 1      | 1    | -    |
| -          | -       | 40      | -          | -    | -    | -      | -    | -    |
| 121,367    | 95,767  | 66,396  | 4          | 5    | 4    | 1      | 1    | -    |
| 175,603    | 182,372 | 122,345 | 17         | 21   | 8    | 2      | 3    | -    |
| 5,586      | 4,832   | 4,513   | 2          | 1    | -    | -      | -    | -    |
| 10,705     | 15,444  | 14,311  | 1          | 1    | 1    | -      | -    | -    |
| 33,867     | 41,103  | 20,298  | 8          | 4    | 1    | -      | -    | -    |
| 133,949    | 136,774 | 94,345  | 15         | 18   | 13   | -      | -    | 1    |
| -          | -       | 1,003   | -          | -    | -    | -      | -    | -    |
| -          | -       | 23,715  | -          | -    | 5    | -      | -    | 1    |
| -          | 4,400   | 5,657   | -          | -    | 1    | -      | -    | 1    |
| -          | 569     | -       | -          | -    | -    | -      | -    | -    |
| 165,614    | 118,159 | 37,567  | 16         | 3    | 3    | -      | 1    | -    |
| 89,164     | 56,696  | 31,321  | 27         | 21   | 5    | -      | -    | -    |
| 1,097      | 129     | -       | -          | -    | -    | -      | -    | -    |
| -          | 215     | 609     | -          | -    | -    | -      | -    | -    |
| -          | 1,986   | -       | -          | -    | -    | -      | -    | -    |
| 407        | -       | -       | -          | -    | -    | -      | -    | -    |
| 1,004,853  | 881,557 | 594,576 | 140        | 102  | 57   | 5      | 6    | 4    |
| 1,768      | -       | 4,324   | 1          | -    | -    | -      | -    | -    |
| -          | 2,470   | -       | -          | -    | -    | -      | -    | -    |
| 14,508     | 8,653   | 30,717  | -          | -    | -    | -      | -    | -    |
| 16,276     | 11,123  | 35,041  | 1          | -    | -    | -      | -    | -    |
| 15,683     | 12,941  | 11,950  | 3          | 3    | 1    | -      | -    | 1    |
| 124,015    | 126,825 | 113,426 | 5          | 12   | 9    | 2      | 1    | 1    |
| 150        | -       | -       | -          | -    | -    | -      | -    | -    |
| -          | 19      | -       | -          | -    | -    | -      | -    | -    |
| 139,848    | 139,785 | 125,376 | 8          | 15   | 10   | 2      | 1    | 2    |
| 242        | -       | -       | -          | -    | -    | -      | -    | -    |
| 380        | -       | -       | -          | -    | -    | -      | -    | -    |
| 8,049      | 8,588   | 5,397   | -          | -    | -    | -      | -    | -    |
| 3,201      | 4,752   | 3,493   | -          | -    | -    | -      | -    | -    |
| 839        | 1,211   | 472     | -          | -    | -    | -      | -    | -    |

| COUNTY               | OPERATOR -<br>COMPANY | MEN  |      |       | DAYS  |      |       |
|----------------------|-----------------------|------|------|-------|-------|------|-------|
|                      |                       | 1944 | 1945 | 1946  | (av.) | 1944 | 1945  |
| MINE                 |                       |      |      |       |       |      |       |
| LA PLATA Cont.       |                       |      |      |       |       |      |       |
| Durkan               | James T. Durkan       | 2    | 2    | 2     | 270   | 160  | 160   |
| Ft. Lewis Clsd.      | Xavier Dufur          | 2    | -    | 2     | 21    | -    | 66    |
| Hay Gulch #1         | Dunbar Coal           | 4    | 2    | 2     | 291   | 139  | 23    |
| Hay Gulch #2         | Hunt Bros.            | -    | -    | 3     | -     | -    | 312   |
| Hesperus             | Nick DiLuzio          | -    | 2    | 3     | -     | 61   | 238   |
| Hunt                 | Edwin O. Oliver       | -    | 2    | 1     | -     | 116  | 37    |
| King                 | King Coal             | 4    | 3    | 3     | 264   | 136  | 180   |
| Minoletti (Dufur)    | Minoletti Bros.       | 2    | 2    | 2     | 263   | 243  | 235   |
| Monarch              | Dunbar Coal           | 6    | 6    | 2     | 59    | 127  | 169   |
| Morning Star         | Frank&Nick Zellitti   | 4    | 4    | 5     | 286   | 257  | 240   |
| O. K.                | O. K. Coal            | 5    | 5    | 4     | 296   | 238  | 68    |
| Peacock              | G. M. Gale            | 1    | -    | 2     | 144   | -    | 134   |
| Peerless             | Peerless Coal         | 5    | 4    | 4     | 217   | 162  | 125   |
| Sunshine             | Sunshine Coal         | 4    | 4    | 3     | 241   | 121  | 175   |
| Supreme              | Otto Serroni          | 3    | 2    | 3     | 240   | 76   | 92    |
| Tipotsch             | Henry Boglino         | -    | 3    | 3     | -     | 200  | 265   |
| Triple S             | Otis H. Snooks        | 4    | 2    | 2     | 93    | 71   | 99    |
| Valley View Clsd.    | Valley View Coal      | 3    | -    | -     | 135   | -    | -     |
| Victory              | Victory Coal          | 16   | 18   | 17    | 267   | 249  | 169   |
| Wright #1            | Wright Fuel           | 1    | 2    | -     | 145   | 103  | -     |
| Wright #2            | Wright Fuel           | 7    | 6    | 4     | 176   | 107  | 161   |
| Totals               |                       | 92   | 85   | 79    | 195   | 153  | 160   |
| LARIMER              |                       |      |      |       |       |      |       |
| Pioneer              | Walter Overcamp       | 1    | 1    | 1     | 129   | 70   | 40    |
| Totals               |                       | 1    | 1    | 1     | 129   | 70   | 40    |
| LAS ANIMAS           |                       |      |      |       |       |      |       |
| Aguilar Blk. Diam.   | S. Blk. Diam.C.&Oil   | 9    | 11   | 12    | 244   | 217  | 146   |
| Anchor               | Eureka Coal           | 60   | 46   | 26    | 187   | 227  | 152   |
| Baldy                | Baldy Coal            | 12   | 9    | 17    | 245   | 256  | 221   |
| Bear Canon #6        | Bear Canon Coal       | 47   | 48   | 48    | 303   | 294  | 213   |
| Berwind #2           | John Smith            | -    | -    | 2     | -     | -    | 140   |
| Berwind Canon        | Berwind Can. Coal     | 2    | 3    | 4     | 209   | 215  | 201   |
| Blk. Beauty(Skyline) | Jas. A. Reynolds      | 1    | 2    | Clsd. | 36    | 85   | Clsd. |
| Boncarbo             | Amer. Sm. & Ref.      | 148  | 123  | 132   | 292   | 278  | 204   |
| Brownie Clsd.        | J. L. & A. W. Brown   | 1    | -    | -     | 196   | -    | -     |
| Burro Can. #2        | Manuel Arcuri         | 2    | 2    | 2     | 100   | 79   | 68    |
| Cook                 | Taylor Coal Mng.      | 15   | 12   | 4     | 202   | 221  | 96    |
| Crystal              | Guillermo Bowman      | 1    | 1    | 1     | 122   | 149  | 176   |
| Delagua              | Victor Amer. Fuel     | 156  | 129  | 124   | 270   | 233  | 168   |
| Delagua #5 (New)     | Victor Amer. Fuel     | -    | -    | 4     | -     | -    | 80    |

| PRODUCTION |         |         | ACCIDENTS  |      |      |        |      |      |
|------------|---------|---------|------------|------|------|--------|------|------|
| 1944       | 1945    | 1946    | Non-Fatals |      |      | Fatals |      |      |
|            |         |         | 1944       | 1945 | 1946 | 1944   | 1945 | 1946 |
| 557        | 741     | 943     | -          | -    | -    | -      | -    | -    |
| 69         | -       | 315     | -          | -    | -    | -      | -    | -    |
| 6,325      | 1,704   | 228     | -          | -    | -    | -      | -    | -    |
| -          | -       | 3,400   | -          | -    | -    | -      | -    | -    |
| -          | 323     | 931     | -          | -    | -    | -      | -    | -    |
| -          | 176     | 101     | -          | -    | -    | -      | -    | -    |
| 4,465      | 2,007   | 3,301   | -          | -    | -    | -      | 1    | -    |
| 1,108      | 1,466   | 1,724   | -          | -    | 1    | -      | -    | -    |
| 1,532      | 2,410   | 1,510   | -          | -    | -    | -      | -    | -    |
| 4,543      | 4,618   | 4,712   | -          | -    | -    | -      | -    | -    |
| 4,720      | 4,978   | 805     | 1          | 1    | -    | -      | -    | -    |
| 477        | -       | 828     | -          | -    | -    | -      | -    | -    |
| 2,750      | 1,419   | 1,294   | -          | -    | -    | -      | -    | -    |
| 3,703      | 1,657   | 1,713   | -          | -    | -    | -      | -    | -    |
| 2,408      | 326     | 615     | -          | -    | -    | -      | -    | -    |
| -          | 1,340   | 2,440   | -          | 1    | -    | -      | -    | -    |
| 320        | 568     | 573     | -          | -    | -    | -      | -    | -    |
| 519        | -       | -       | -          | -    | -    | -      | -    | -    |
| 24,695     | 32,667  | 25,390  | -          | 4    | 2    | -      | -    | -    |
| 695        | 621     | -       | -          | -    | -    | -      | -    | -    |
| 2,891      | 2,005   | 3,632   | 1          | 1    | -    | -      | -    | -    |
| 74,488     | 73,577  | 63,817  | 2          | 7    | 3    | -      | 1    | -    |
| 157        | 64      | 28      | -          | -    | -    | -      | -    | -    |
| 157        | 64      | 28      | -          | -    | -    | -      | -    | -    |
| 7,615      | 9,925   | 5,771   | -          | -    | -    | -      | -    | -    |
| 29,000     | 28,269  | 11,894  | -          | 1    | -    | -      | -    | -    |
| 11,303     | 7,947   | 12,453  | 1          | 1    | 1    | 1      | 1    | -    |
| 63,670     | 63,898  | 46,428  | 4          | 3    | 4    | -      | 1    | -    |
| -          | -       | 567     | -          | -    | -    | -      | -    | -    |
| 2,350      | 2,777   | 3,425   | -          | -    | 1    | -      | -    | 1    |
| 64         | 271     | -       | -          | -    | -    | -      | -    | -    |
| 153,801    | 132,884 | 112,495 | 25         | 14   | 12   | -      | -    | -    |
| 481        | -       | -       | -          | -    | -    | -      | -    | -    |
| 500        | 485     | 295     | -          | -    | -    | -      | -    | -    |
| 8,325      | 9,036   | 2,665   | 1          | 4    | -    | 1      | -    | -    |
| 294        | 315     | 337     | -          | -    | -    | -      | -    | -    |
| 171,114    | 127,667 | 87,035  | 19         | 21   | 9    | -      | -    | 1    |
| -          | -       | 1,944   | -          | -    | -    | -      | -    | -    |



| COUNTY                  | OPERATOR -<br>COMPANY | MEN   |       |       | DAYS  |      |      |
|-------------------------|-----------------------|-------|-------|-------|-------|------|------|
|                         |                       |       |       |       | (av.) |      |      |
| MINE                    |                       | 1944  | 1945  | 1946  | 1944  | 1945 | 1946 |
| <u>LAS ANIMAS</u> Cont. |                       |       |       |       |       |      |      |
| Dix                     | Dick Coal             | 54    | 51    | 56    | 284   | 267  | 184  |
| Forbes #9               | W. E. Riggs           | 1     | 2     | 2     | 180   | 113  | 92   |
| Forbes #11              | W. E. Riggs           | 1     | 2     | 3     | 181   | 163  | 71   |
| Frederick               | C. F. & I. Corp.      | 638   | 597   | 617   | 291   | 275  | 190  |
| Frisco #2               | Alex Abeyta           | 3     | 4     | 3     | 171   | 214  | 178  |
| Gem                     | Giuliano Coal         | 12    | 11    | 8     | 227   | 246  | 162  |
| Green Canon Clsd.       | Green Canon Coal      | 8     | 8     | -     | 262   | 222  | -    |
| Green " #2 (New)        | Green Canon Coal      | -     | -     | 10    | -     | -    | 174  |
| Grey Creek              | Joe Morasky           | 4     | 3     | 3     | 207   | 243  | 233  |
| Harnish                 | John & Juan Tafoya    | 2     | 2     | 2     | 89    | 212  | 174  |
| Hot Flame               | Hot Flame Coal        | -     | 1     | 4     | -     | 10   | 152  |
| Jeffryes                | R. & G. Fuel          | 2     | 2     | 3     | 36    | 15   | 114  |
| Kenneth                 | Hall Bros. Coal       | 67    | 67    | 61    | 274   | 274  | 159  |
| Klay Clsd.              | Pete Klay             | 1     | -     | -     | 102   | -    | -    |
| Labor Clsd.             | Albert T. Vigil       | 1     | -     | -     | 102   | -    | -    |
| Little Mary Clsd.       | Trinidad Brick&Tile   | 3     | -     | -     | 272   | -    | -    |
| Lovato                  | John C. Lovato        | 11    | 10    | 11    | 256   | 247  | 193  |
| Ludlow                  | Huerfano Coal         | 90    | 66    | 83    | 272   | 265  | 175  |
| Martorano               | Martorano Bros.       | 3     | 2     | 3     | 302   | 306  | 296  |
| Mary Boaglio            | Joe Melton            | 3     | -     | -     | 179   | -    | -    |
| Montoya                 | Leo Montoya           | 1     | -     | 1     | 135   | -    | 17   |
| Morasky                 | Joe Morasky           | 2     | 2     | 2     | 89    | 230  | 217  |
| Morley                  | C. F. & I. Corp.      | 245   | 199   | 200   | 298   | 281  | 196  |
| New Mary                | Trinidad Brick&Tile   | -     | 4     | 4     | -     | 284  | 272  |
| New Primrose            | Alex Bisulco          | 10    | 7     | 7     | 253   | 262  | 187  |
| New Slope               | Guadagnoli Bros.      | 3     | 3     | 3     | 247   | 253  | 191  |
| Peacock                 | John Hollingsworth    | -     | -     | 1     | -     | -    | 200  |
| Prospect #3 Clsd.       | Owens Est. Coal       | 1     | -     | -     | 40    | -    | -    |
| Rapson                  | Taylor Coal Mng.      | 21    | 47    | 42    | 267   | 266  | 200  |
| Santa Fe                | Santa Fe Coal         | 2     | 2     | 2     | 203   | 209  | 92   |
| Starkville #3           | Nick Cimino           | 6     | 2     | 2     | 172   | 167  | 138  |
| Starkville #4           | Iuppa Coal            | -     | -     | 3     | -     | -    | 255  |
| Starkville #5           | Cecil Mestes          | -     | -     | 2     | -     | -    | 35   |
| Sunrise                 | Louis Fabec           | 2     | 2     | 3     | 208   | 168  | 75   |
| Thor                    | Thor Fuel             | 22    | 18    | 18    | 263   | 242  | 188  |
| Trailer Clsd.           | Nemo Boaglio          | 1     | -     | -     | 98    | -    | -    |
| Vigil                   | Frank&Phil Vigil      | -     | -     | 2     | -     | -    | 10   |
| Viola (Garcia)          | Albert B. Garcia      | -     | -     | 1     | -     | -    | 125  |
| White Flame(MaryB)      | Ortiz & Mares         | -     | -     | 3     | -     | -    | 104  |
| Totals                  |                       | 1,674 | 1,500 | 1,541 | 199   | 213  | 157  |



| PRODUCTION |           |           | ACCIDENTS  |      |      |        |      |      |
|------------|-----------|-----------|------------|------|------|--------|------|------|
| 1944       | 1945      | 1946      | Non-Fatals |      |      | Fatals |      |      |
|            |           |           | 1944       | 1945 | 1946 | 1944   | 1945 | 1946 |
| 60,984     | 55,458    | 43,826    | 9          | 2    | 4    | -      | -    | -    |
| 752        | 395       | 457       | -          | -    | -    | -      | -    | -    |
| 683        | 791       | 424       | 1          | -    | -    | -      | -    | -    |
| 619,847    | 578,950   | 416,339   | 33         | 40   | 19   | 2      | 1    | 1    |
| 883        | 972       | 822       | -          | -    | -    | -      | -    | -    |
| 6,786      | 5,901     | 3,681     | 2          | 2    | -    | -      | -    | -    |
| 4,932      | 4,123     | -         | 1          | 3    | -    | -      | -    | -    |
| -          | -         | 5,253     | -          | -    | -    | -      | -    | -    |
| 3,825      | 2,945     | 2,577     | 1          | 1    | -    | -      | -    | -    |
| 289        | 1,485     | 598       | -          | -    | -    | -      | -    | -    |
| -          | 25        | 602       | -          | -    | -    | -      | -    | -    |
| 81         | 25        | 830       | -          | -    | -    | -      | -    | -    |
| 78,922     | 67,521    | 35,062    | 9          | 7    | 6    | -      | -    | -    |
| 76         | -         | -         | -          | -    | -    | -      | -    | -    |
| 342        | -         | -         | -          | -    | -    | -      | -    | -    |
| 1,088      | -         | -         | -          | -    | -    | -      | -    | -    |
| 5,100      | 5,005     | 6,331     | 1          | 1    | 1    | -      | -    | -    |
| 80,897     | 59,469    | 55,016    | 9          | 7    | 1    | -      | -    | -    |
| 1,488      | 1,436     | 1,287     | -          | -    | -    | -      | -    | -    |
| 352        | -         | -         | -          | -    | -    | -      | -    | -    |
| 229        | -         | 34        | -          | -    | -    | -      | -    | -    |
| 770        | 816       | 1,657     | -          | -    | -    | -      | -    | -    |
| 224,707    | 197,330   | 153,830   | 23         | 19   | 16   | -      | 1    | 1    |
| -          | 840       | 495       | -          | -    | -    | -      | -    | -    |
| 5,530      | 3,341     | 3,193     | 1          | 1    | -    | -      | -    | -    |
| 2,173      | 2,236     | 1,843     | -          | -    | 1    | -      | -    | -    |
| -          | -         | 400       | -          | -    | -    | -      | -    | -    |
| 101        | -         | -         | -          | -    | -    | -      | -    | -    |
| 21,326     | 49,471    | 45,825    | 7          | 9    | 7    | -      | -    | -    |
| 71         | 134       | 75        | -          | 2    | 1    | -      | -    | -    |
| 2,449      | 1,088     | 911       | -          | 1    | -    | -      | -    | -    |
| -          | -         | 1,933     | -          | -    | -    | -      | -    | -    |
| -          | -         | 135       | -          | -    | -    | -      | -    | -    |
| 460        | 450       | 85        | -          | -    | -    | -      | -    | -    |
| 16,673     | 14,791    | 12,938    | 3          | 3    | 1    | -      | -    | -    |
| 301        | -         | -         | -          | -    | -    | -      | -    | -    |
| -          | -         | 20        | -          | -    | -    | -      | -    | -    |
| -          | -         | 246       | -          | -    | -    | -      | -    | -    |
| -          | -         | 786       | -          | -    | -    | -      | -    | -    |
| 1,590,634  | 1,438,472 | 1,082,820 | 150        | 142  | 84   | 4      | 4    | 4    |

| COUNTY             | OPERATOR -<br>COMPANY | MEN  |      |       | DAYS  |      |       |
|--------------------|-----------------------|------|------|-------|-------|------|-------|
|                    |                       | 1944 | 1945 | 1946  | (av.) | 1944 | 1945  |
| MINE               |                       |      |      |       |       |      |       |
| MESA               |                       |      |      |       |       |      |       |
| Blue Flame         | Charles Vidmar        | 3    | 3    | 4     | 169   | 144  | 193   |
| Cameo              | Kerr Coal             | 49   | 43   | 47    | 287   | 299  | 229   |
| Coal Gulch         | Roy S. Ward           | -    | 2    | 2     | -     | 177  | 98    |
| Corcoran Clsd.     | Clarence O. Allen     | 1    | -    | -     | 35    | -    | -     |
| Farmers Mutual     | Bruce D. Wilson       | 3    | 1    | 2     | 183   | 81   | 180   |
| Garfield           | Garfield Mining       | 8    | 8    | 8     | 259   | 266  | 161   |
| Gearhart           | Mt. Garfield C. Mng.  | -    | -    | 9     | -     | -    | 288   |
| Grasso             | Case & Batchelor      | 2    | 3    | 3     | 72    | 40   | 46    |
| Hidden Treasure    | Ernest Hicks          | 1    | 2    | 3     | 209   | 225  | 191   |
| Hunter             | C. O. Halcumb         | -    | -    | 1     | -     | -    | 242   |
| Hy-Grade           | Johnson& Paterson     | 1    | 1    | 3     | 271   | 216  | 218   |
| McGinley           | Peth, Lutz&Bunch      | -    | 2    | 3     | -     | 48   | 100   |
| Midwest Clsd.      | William Hughes        | 3    | 3    | -     | 135   | 51   | -     |
| Monarch            | Ray Clark             | 3    | 3    | 4     | 28    | 59   | 56    |
| Mt. Garfield Clsd. | Gearhart Bros.        | 2    | 4    | -     | 244   | 93   | -     |
| Nearing Clsd.      | Mesa QualityCoal      | 2    | 1    | -     | 146   | 44   | -     |
| Palisade           | Hicks & Son           | 9    | 8    | 9     | 232   | 223  | 112   |
| Riverside-Farmers  | Riverside-F. Coal     | 2    | 3    | 2     | 193   | 240  | 130   |
| River View         | Louis Supancic        | 5    | 4    | 4     | 215   | 223  | 169   |
| Thomas             | Palmetto & Son        | 2    | 3    | 3     | 120   | 253  | 211   |
| Winger             | Clarke Coal           | 7    | 8    | 7     | 208   | 263  | 195   |
| Totals             |                       | 103  | 102  | 114   | 177   | 164  | 162   |
| MOFFAT             |                       |      |      |       |       |      |       |
| Blue Flame Clsd.   | Arthur Baxter         | 3    | 2    | -     | 135   | 25   | -     |
| Coal White Ash     | Wm. Hatch & Sons      | 2    | 2    | Clsd. | 226   | 62   | Clsd. |
| James              | James Coal            | 2    | 2    | 3     | 243   | 222  | 158   |
| Knez               | Joe L. Knez           | 4    | 3    | 3     | 229   | 259  | 230   |
| Les-Ash            | Rangely Coal          | -    | -    | 3     | -     | -    | 20    |
| Red Wing(Mt. Str.) | Colowyo Coal-1946     | 24   | 31   | 39    | 308   | 308  | 223   |
| Streeter           | Domestic Coal         | 21   | 16   | 16    | 272   | 278  | 262   |
| Victory (Wise)     | Yampa Valley Coal     | -    | 2    | 7     | -     | 14   | 168   |
| Weisbeck Clsd.     | George B. Weisbeck    | -    | 1    | -     | -     | 8    | -     |
| Wisconsin Clsd.    | H. L. Whicker&Son     | 1    | -    | -     | 19    | -    | -     |
| Totals             |                       | 57   | 59   | 71    | 205   | 147  | 177   |
| MONTEZUMA          |                       |      |      |       |       |      |       |
| Cherry Creek       | J. E. Craig           | -    | 2    | -     | -     | 15   | -     |
| Lakeview           | Glover & Glover       | -    | -    | 2     | -     | -    | 77    |
| Mancos             | Mancos Coal           | 2    | 2    | 2     | 138   | 89   | 74    |
| Montezuma          | Glen E. Wilson        | 3    | 2    | 2     | 298   | 261  | 244   |
| Willden #2         | Bowling&Fitzgerald    | 2    | 3    | 3     | 96    | 130  | 203   |
| Totals             |                       | 7    | 9    | 9     | 177   | 124  | 150   |

| PRODUCTION |         |         | ACCIDENTS  |      |      |        |      |      |
|------------|---------|---------|------------|------|------|--------|------|------|
| 1944       | 1945    | 1946    | Non-Fatals |      |      | Fatals |      |      |
|            |         |         | 1944       | 1945 | 1946 | 1944   | 1945 | 1946 |
| 2,094      | 2,447   | 2,631   | -          | -    | -    | -      | -    | -    |
| 77,369     | 76,163  | 67,588  | 2          | 7    | 7    | 1      | 1    | -    |
| -          | 436     | 422     | -          | -    | -    | -      | -    | -    |
| 52         | -       | -       | -          | -    | -    | -      | -    | -    |
| 822        | 168     | 382     | -          | -    | -    | -      | -    | -    |
| 3,756      | 4,364   | 2,963   | -          | 2    | -    | -      | -    | -    |
| -          | -       | 3,629   | -          | -    | 1    | -      | -    | -    |
| 314        | 123     | 52      | -          | -    | -    | -      | -    | -    |
| 1,510      | 1,526   | 1,246   | -          | -    | -    | -      | -    | -    |
| -          | -       | 398     | -          | -    | -    | -      | -    | -    |
| 932        | 571     | 1,548   | -          | -    | -    | -      | -    | -    |
| -          | 382     | 1,101   | -          | -    | -    | -      | -    | -    |
| 835        | 313     | -       | 1          | -    | -    | -      | -    | -    |
| 92         | 151     | 203     | -          | -    | -    | -      | -    | -    |
| 1,804      | 488     | -       | -          | -    | -    | -      | -    | -    |
| 598        | 116     | -       | -          | -    | -    | -      | -    | -    |
| 4,204      | 5,059   | 2,666   | -          | 2    | 2    | -      | -    | -    |
| 1,536      | 2,000   | 1,800   | -          | -    | -    | -      | -    | -    |
| 3,542      | 3,172   | 3,326   | 1          | 1    | -    | -      | -    | -    |
| 663        | 2,369   | 2,107   | -          | -    | -    | -      | -    | -    |
| 7,934      | 9,682   | 4,344   | 1          | 1    | 1    | -      | -    | -    |
| 108,057    | 109,530 | 96,406  | 5          | 13   | 11   | 1      | 1    | -    |
| 1,706      | 249     | -       | -          | -    | -    | -      | -    | -    |
| 1,718      | 264     | -       | -          | -    | -    | -      | -    | -    |
| 2,993      | 2,739   | 2,014   | -          | -    | -    | -      | -    | -    |
| 3,235      | 2,455   | 2,614   | -          | -    | 1    | -      | -    | -    |
| -          | -       | 150     | -          | -    | -    | -      | -    | -    |
| 51,300     | 73,739  | 82,011  | 10         | 2    | 9    | -      | -    | 1    |
| 77,793     | 49,666  | 53,420  | 7          | 4    | 4    | -      | -    | -    |
| -          | 43      | 2,896   | -          | -    | -    | -      | -    | -    |
| -          | 11      | -       | -          | -    | -    | -      | -    | -    |
| 55         | -       | -       | -          | -    | -    | -      | -    | -    |
| 138,800    | 129,166 | 143,105 | 17         | 6    | 14   | -      | -    | 1    |
| -          | 16      | -       | -          | -    | -    | -      | -    | -    |
| -          | -       | 70      | -          | -    | -    | -      | -    | -    |
| 530        | 293     | 282     | -          | -    | -    | -      | -    | -    |
| 868        | 740     | 757     | -          | -    | -    | -      | -    | -    |
| 280        | 867     | 1,251   | -          | -    | -    | -      | -    | -    |
| 1,678      | 1,916   | 2,360   | -          | -    | -    | -      | -    | -    |



| COUNTY                      | OPERATOR -<br>COMPANY | MEN  |      |       | DAYS  |      |       |
|-----------------------------|-----------------------|------|------|-------|-------|------|-------|
|                             |                       | 1944 | 1945 | 1946  | (av.) |      |       |
| MINE                        |                       | 1944 | 1945 | 1946  | 1944  | 1945 | 1946  |
| <u>MONTROSE</u>             |                       |      |      |       |       |      |       |
| Cimarron                    | James L. Collins      | -    | 1    | 1     | -     | 39   | 165   |
| Fiddling Bill Clsd.         | Vanad. Corp-Amer.     | 13   | 12   | -     | 305   | 164  | -     |
| Independence                | Ammon E. Nix          | 1    | 1    | 2     | 225   | 188  | 154   |
| Liberty Bell Clsd.          | U.S. Vanad. Corp.     | 14   | 13   | -     | 292   | 239  | -     |
| Sunshine                    | Nix & Nix             | 3    | 2    | 2     | 252   | 247  | 249   |
| Totals                      |                       | 31   | 29   | 5     | 269   | 175  | 189   |
| <u>OURAY</u>                |                       |      |      |       |       |      |       |
| Columbine                   | Ray Lowery            | 1    | -    | 1     | 250   | -    | 78    |
| Totals                      |                       | 1    | -    | 1     | 250   | -    | 78    |
| <u>PITKIN</u>               |                       |      |      |       |       |      |       |
| Placita                     | Howard Holgate        | 1    | -    | 2     | 12    | -    | 114   |
| Totals                      |                       | 1    | -    | 2     | 12    | -    | 114   |
| <u>RIO BLANCO</u>           |                       |      |      |       |       |      |       |
| Blue Streak                 | Shipley Coal          | -    | -    | 4     | -     | -    | 50    |
| Little Joe                  | John A. Hilkey        | 1    | 1    | 1     | 277   | 60   | 275   |
| Rienau                      | R. C. Rienau          | 2    | 2    | 2     | 297   | 135  | 109   |
| White River                 | M. E. Staley          | 5    | 6    | 11    | 278   | 285  | 291   |
| Totals                      |                       | 8    | 9    | 18    | 284   | 160  | 181   |
| <u>ROUTT</u>                |                       |      |      |       |       |      |       |
| Apex                        | Boscia Coal           | 5    | 4    | 9     | 282   | 250  | 236   |
| Bear River Strip<br>(Rusty) | Dunn Coal             | -    | -    | 7     | -     | -    | 46    |
| Big Mack Clsd.              | John Mamich           | 3    | -    | -     | 292   | -    | -     |
| Blue Spruce                 | Blue Spruce Coal      | -    | -    | 2     | -     | -    | 85    |
| Bruce Walters               | Dean Huntington       | 2    | 2    | Clsd. | 160   | 89   | Clsd. |
| Crow Bar                    | Dry Creek Coal        | 15   | 21   | 23    | 257   | 225  | 122   |
| Dixie                       | Bob Werner            | 1    | 2    | 1     | 170   | 198  | 300   |
| Edna Clsd.                  | Chris. Pasch          | 1    | 2    | -     | 221   | 78   | -     |
| Edna Strip                  | Edna Coal             | -    | 33   | 48    | -     | 134  | 186   |
| Gt. Wstn. (FishCrk.)        | Great Western Coal    | -    | 6    | 4     | -     | 120  | 25    |
| Hammond Clsd.               | Linscott & Hamrick    | 2    | -    | -     | 21    | -    | -     |
| Harris                      | Colo. & Utah Coal     | 187  | 173  | 187   | 308   | 294  | 199   |
| Hayden #3 Clsd.             | Hayden Coal           | 137  | 130  | -     | 291   | 76   | -     |
| Hayden #4                   | Hayden Coal           | -    | 109  | 114   | -     | 206  | 184   |
| Johnnies                    | John Mathews          | 3    | 3    | 2     | 271   | 251  | 220   |
| Keystone                    | Keystone Coal         | 110  | 89   | 96    | 289   | 284  | 234   |
| McGregor                    | McNeil Coal           | 5    | 5    | 7     | 290   | 242  | 71    |
| Middle Creek                | Middle Creek Coal     | 2    | 3    | 3     | 199   | 218  | 88    |
| Moffat #1 & #2              | Moffat Coal           | 195  | 168  | 163   | 305   | 297  | 73    |



| PRODUCTION |         |         | ACCIDENTS  |      |      |        |      |      |
|------------|---------|---------|------------|------|------|--------|------|------|
| 1944       | 1945    | 1946    | Non-Fatals |      |      | Fatals |      |      |
|            |         |         | 1944       | 1945 | 1946 | 1944   | 1945 | 1946 |
| -          | 66      | 125     | -          | -    | -    | -      | -    | -    |
| 22,328     | 11,927  | -       | 1          | 1    | -    | -      | -    | -    |
| 966        | 719     | 614     | -          | -    | -    | -      | -    | -    |
| 19,167     | 15,498  | -       | 2          | 2    | -    | -      | -    | -    |
| 1,981      | 1,937   | 1,459   | -          | -    | -    | -      | -    | -    |
| 44,442     | 30,147  | 2,198   | 3          | 3    | -    | -      | -    | -    |
| 500        | -       | 500     | -          | -    | -    | -      | -    | -    |
| 500        | -       | 500     | -          | -    | -    | -      | -    | -    |
| 169        | -       | 423     | -          | -    | -    | -      | -    | -    |
| 169        | -       | 423     | -          | -    | -    | -      | -    | -    |
| -          | -       | 694     | -          | -    | -    | -      | -    | -    |
| 412        | 480     | 687     | -          | -    | -    | -      | -    | -    |
| 1,851      | 1,012   | 717     | -          | -    | -    | -      | -    | -    |
| 9,171      | 10,423  | 10,472  | -          | -    | 2    | -      | -    | -    |
| 11,434     | 11,915  | 12,570  | -          | -    | 2    | -      | -    | -    |
| 4,792      | 4,471   | 7,075   | 1          | -    | 1    | -      | -    | -    |
| -          | -       | 4,282   | -          | -    | -    | -      | -    | -    |
| 1,159      | -       | -       | -          | -    | -    | -      | -    | -    |
| -          | -       | 76      | -          | -    | -    | -      | -    | -    |
| 645        | 227     | -       | -          | -    | -    | -      | -    | -    |
| 13,822     | 21,867  | 16,934  | 2          | 5    | 4    | -      | -    | -    |
| 522        | 890     | 1,334   | -          | -    | -    | -      | -    | -    |
| 462        | 157     | -       | -          | 1    | -    | -      | -    | -    |
| -          | 20,470  | 116,213 | -          | -    | 1    | -      | -    | -    |
| -          | 36      | 740     | -          | -    | -    | -      | -    | -    |
| 42         | -       | -       | -          | -    | -    | -      | -    | -    |
| 360,834    | 325,490 | 243,236 | 33         | 19   | 10   | 1      | -    | -    |
| 156,623    | 36,966  | -       | 20         | 5    | -    | -      | -    | -    |
| -          | 90,256  | 115,936 | -          | 10   | 14   | -      | 1    | -    |
| 830        | 1,700   | 1,286   | -          | -    | -    | -      | -    | -    |
| 123,981    | 69,594  | 79,357  | 15         | 13   | 21   | -      | -    | -    |
| 13,144     | 7,753   | 1,642   | 1          | -    | -    | -      | -    | -    |
| 709        | 1,702   | 1,662   | -          | -    | -    | -      | -    | -    |
| 227,429    | 194,388 | 43,925  | 51         | 47   | 10   | -      | 1    | 1    |

| COUNTY             | OPERATOR -<br>COMPANY | MEN   |       |       | DAYS  |      |      |
|--------------------|-----------------------|-------|-------|-------|-------|------|------|
|                    |                       | 1944  | 1945  | 1946  | (av.) |      |      |
| MINE               |                       | 1944  | 1945  | 1946  | 1944  | 1945 | 1946 |
| <u>ROUTT Cont.</u> |                       |       |       |       |       |      |      |
| Moffat #3          | Moffat Coal           | -     | 42    | 136   | -     | 296  | 84   |
| Pinnacle           | Victor-Amer. Fuel     | 128   | 116   | 133   | 301   | 285  | 193  |
| Ramsay #1(Babson)  | Ramsay Coal           | 14    | 15    | 10    | 223   | 258  | 232  |
| Ramsay #2(Coryell) | Ramsay Coal           | 7     | -     | -     | 137   | -    | -    |
| Rice               | U.S. Coal Corp.       | 3     | 7     | 8     | 261   | 219  | 238  |
| Routt Co. #1 Strip | Routt Co. Coal        | -     | 15    | -     | -     | 144  | -    |
| Rusty Strip        | Hesser & Garner       | -     | 7     | -     | -     | 196  | -    |
| Sleepy Cat         | Dunn Coal             | 6     | 22    | 24    | 204   | 248  | 175  |
| Sun                | Thomas E. Barton      | 2     | 1     | 2     | 107   | 105  | 226  |
| Wadge              | Victor-Amer. Fuel     | 89    | 91    | 103   | 298   | 287  | 186  |
| Totals             |                       | 917   | 1,066 | 1,081 | 233   | 215  | 162  |
| <u>SAN MIGUEL</u>  |                       |       |       |       |       |      |      |
| Crisp              | Roy Ladd              | 1     | -     | 1     | 15    | -    | 35   |
| Elder              | Gene Elder            | 1     | 1     | -     | 106   | 157  | -    |
| Keck-Reliance      | William R. Keck       | 1     | -     | 1     | 24    | -    | 90   |
| Totals             |                       | 3     | 1     | 2     | 48    | 157  | 63   |
| <u>WELD</u>        |                       |       |       |       |       |      |      |
| Baum               | Consolidated C. & C.  | 99    | 93    | 86    | 194   | 207  | 185  |
| Boulder Valley     | Wm. Andrew-Clsd.      | 64    | 46    | 37    | 212   | 236  | 71   |
| Boulder Val. #3    | Bo. Valley Coal       | 31    | 43    | 70    | 94    | 252  | 203  |
| Columbine          | Rocky Mtn. Fuel       | 156   | 116   | 83    | 251   | 273  | 71   |
| Diamond Clsd.      | Diamond Coal          | 5     | 5     | -     | 255   | 68   | -    |
| Eagle              | National Fuel         | 115   | 106   | 124   | 212   | 237  | 186  |
| Graden             | Graden Coal           | 51    | 54    | 57    | 243   | 268  | 202  |
| Imperial           | Imperial Coal         | 93    | 84    | 88    | 205   | 223  | 170  |
| Morrison           | Clayton Coal          | 72    | 75    | 76    | 259   | 248  | 191  |
| Russell            | Russell Coal          | 54    | 31    | 17    | 245   | 251  | 168  |
| Shamrock           | Shamrock Coal         | 60    | 63    | 64    | 175   | 194  | 156  |
| Sterling           | McNeil Coal Corp.     | 68    | 65    | 64    | 241   | 247  | 168  |
| Washington         | Clayton Coal          | 143   | 115   | 110   | 278   | 263  | 203  |
| Totals             |                       | 1,011 | 896   | 876   | 220   | 228  | 165  |
| Grand Totals       |                       | 6,713 | 6,403 | 6,446 | 211   | 207  | 169  |

| PRODUCTION |           |           | ACCIDENTS  |      |      |        |      |      |
|------------|-----------|-----------|------------|------|------|--------|------|------|
| 1944       | 1945      | 1946      | Non-Fatals |      |      | Fatals |      |      |
|            |           |           | 1944       | 1945 | 1946 | 1944   | 1945 | 1946 |
| -          | -         | 30,435    | -          | 3    | 8    | -      | -    | -    |
| 148,377    | 135,687   | 99,422    | 25         | 25   | 13   | 2      | -    | -    |
| 18,366     | 20,165    | 14,435    | 3          | 6    | 3    | -      | -    | -    |
| 4,593      | -         | -         | -          | -    | -    | -      | -    | -    |
| 2,039      | 3,083     | 7,451     | -          | 1    | -    | -      | -    | -    |
| -          | 8,340     | -         | -          | -    | -    | -      | -    | -    |
| -          | 16,250    | -         | -          | -    | -    | -      | -    | -    |
| 6,019      | 18,000    | 18,400    | -          | 3    | 5    | -      | -    | -    |
| 352        | 227       | 734       | -          | -    | -    | -      | -    | -    |
| 109,197    | 120,508   | 92,313    | 35         | 25   | 11   | 2      | -    | 1    |
| 1,193,937  | 1,098,227 | 896,888   | 186        | 163  | 101  | 5      | 2    | 2    |
| 30         | -         | 61        | -          | -    | -    | -      | -    | -    |
| 146        | 320       | -         | -          | -    | -    | -      | -    | -    |
| 41         | -         | 89        | -          | -    | -    | -      | -    | -    |
| 217        | 320       | 150       | -          | -    | -    | -      | -    | -    |
| 133,284    | 132,768   | 110,476   | 11         | 8    | 6    | -      | -    | -    |
| 103,451    | 79,471    | 21,787    | 5          | 8    | -    | -      | -    | -    |
| 6,225      | 60,287    | 104,446   | 2          | 2    | 4    | -      | 2    | -    |
| 268,564    | 237,120   | 51,089    | 33         | 18   | 6    | -      | 1    | 1    |
| 2,516      | 761       | -         | -          | -    | -    | -      | -    | -    |
| 176,515    | 181,567   | 174,260   | 19         | 14   | 9    | -      | -    | -    |
| 92,354     | 91,323    | 70,163    | -          | 12   | 8    | -      | 1    | 2    |
| 164,326    | 168,876   | 145,658   | 9          | 21   | 6    | -      | -    | -    |
| 120,851    | 132,026   | 97,844    | 7          | 17   | 1    | -      | -    | -    |
| 48,638     | 34,141    | 16,750    | 11         | 6    | 3    | -      | -    | -    |
| 62,272     | 75,872    | 59,735    | 3          | 4    | 4    | -      | -    | -    |
| 91,099     | 90,392    | 78,048    | 7          | 4    | 6    | -      | -    | -    |
| 213,682    | 222,724   | 214,899   | 39         | 20   | 8    | -      | -    | -    |
| 1,483,777  | 1,507,328 | 1,145,155 | 146        | 134  | 61   | -      | 4    | 3    |
| 8,202,401  | 7,657,744 | 5,941,105 | *870       | *814 | 455  | 22     | 25   | 19   |

Grand Total of compensable injuries  
of 10 or more days lost-time.

663 610 455

\*1944 and 1945 - 5 or more days.



# COAL SHIPMENT AND DISPOSAL

1946

| COUNTY     | TOTAL<br>TONNAGE | RAILROAD  | TRUCK     | HEAT,<br>ETC. | OUT OF<br>STATE |
|------------|------------------|-----------|-----------|---------------|-----------------|
| Archuleta  | 700              |           | 700       |               |                 |
| Boulder    | 381,741          | 162,975   | 214,662   | 4,104         | 211             |
| Delta      | 105,202          | 59,896    | 40,349    | 4,957         | 12,610          |
| Elbert     | 1,189            |           | 1,034     | 155           |                 |
| El Paso    | 191,205          | 19,001    | 127,566   | 44,638        |                 |
| Fremont    | 398,625          | 112,898   | 285,629   | 98            | 31,757          |
| Garfield   | 50,689           | 11,315    | 39,342    | 32            | 251             |
| Gunnison   | 610,341          | 553,076   | 39,297    | 17,968        | 135,695         |
| Huerfano   | 594,576          | 535,810   | 57,570    | 1,196         | 79,385          |
| Jackson    | 35,041           | 27,181    | 7,860     |               | 1,136           |
| Jefferson  | 125,376          | 99,849    | 25,212    | 315           |                 |
| La Plata   | 63,817           | 25,814    | 37,988    | 15            |                 |
| Larimer    | 28               |           | 28        |               |                 |
| Las Animas | 1,082,820        | 1,001,573 | 66,029    | 15,218        | 29,399          |
| Mesa       | 96,406           | 69,167    | 26,693    | 546           |                 |
| Moffat     | 143,105          | 108,776   | 34,329    |               | 58,880          |
| Montezuma  | 2,360            |           | 2,360     |               |                 |
| Montrose   | 2,198            |           | 2,198     |               |                 |
| Ouray      | 500              |           | 500       |               |                 |
| Pitkin     | 423              |           | 423       |               |                 |
| Rio Blanco | 12,570           | 12,525    | 45        |               | 7,329           |
| Routt      | 896,888          | 798,596   | 67,293    | 30,999        | 418,581         |
| San Miguel | 150              |           | 150       |               |                 |
| Weld       | 1,145,155        | 824,745   | 310,576   | 9,834         | 9,241           |
| Totals     | 5,941,105        | 4,423,197 | 1,387,833 | 130,075       | 784,475         |

See Summary for 1944 and 1945



# SIZES, GRADES BY COUNTY

1946

| MINE RUN    | LUMP        | EGG      | OTHER<br>GRADES | NUT      | PEA      | SLACK       |
|-------------|-------------|----------|-----------------|----------|----------|-------------|
| 165         | 297         |          | 32              | 76       | 5        | 125         |
| 2, 070      | 73, 730     | 70, 223  | 6, 288          | 13, 865  | 9, 267   | 206, 298    |
| 25, 495     | 34, 941     |          | 852             | 16, 838  | 1, 084   | 25, 992     |
|             | 765         |          |                 | 177      | 93       | 154         |
| 9, 816      | 25, 196     | 9, 559   | 2, 371          | 15, 308  | 1, 270   | 127, 685    |
| 72, 637     | 131, 862    | 688      | 34, 511         | 59, 053  | 11, 814  | 88, 060     |
| 25, 579     | 6, 006      |          | 507             | 4, 077   | 168      | 14, 352     |
| 313, 475    | 135, 243    | 6, 121   | 10, 861         | 39, 216  | 269      | 105, 156    |
| 149, 839    | 105, 154    |          | 214, 156        | 23, 320  | 3, 228   | 98, 879     |
| 32, 325     | 1, 426      |          |                 | 317      |          | 973         |
| 66, 137     | 12, 299     | 4, 305   | 760             | 165      | 6, 015   | 35, 695     |
| 49, 726     | 8, 140      |          | 2, 046          | 737      | 81       | 3, 087      |
| 25          |             |          |                 |          | 1        | 2           |
| 334, 263    | 41, 450     |          | 635, 190        | 13, 902  | 1, 832   | 56, 183     |
| 40, 506     | 18, 953     | 197      | 331             | 5, 297   | 1, 318   | 29, 804     |
| 7, 266      | 55, 221     |          | 18, 754         | 7, 971   | 5, 874   | 48, 019     |
| 625         | 1, 319      |          |                 |          | 54       | 362         |
| 127         | 1, 210      | 8        |                 | 448      | 74       | 331         |
| 500         |             |          |                 |          |          |             |
| 423         |             |          |                 |          |          |             |
| 622         | 5, 754      | 88       | 42              | 2, 979   | 131      | 2, 954      |
| 38, 913     | 291, 687    | 141      | 76, 531         | 143, 281 | 15, 515  | 330, 820    |
| 89          | 61          |          |                 |          |          |             |
| 3, 681      | 270, 320    | 139, 269 | 29, 467         | 3, 776   | 69, 611  | 629, 031    |
| 1, 174, 304 | 1, 221, 034 | 230, 599 | 1, 032, 699     | 350, 803 | 127, 704 | 1, 803, 962 |

# MECHANICAL LOADING

| COUNTY     | Shaker Type | MECHANICAL LOADERS |             |          |                   |        |             |               | Small Portable Conveyors | TONS OF COAL TOTALLY LOADED BY MECHANICAL DEVICES (No hand labor) |
|------------|-------------|--------------------|-------------|----------|-------------------|--------|-------------|---------------|--------------------------|---|
|            |             | Chain Conveyors    |             |          | Mainline - -Chain | Mobile |             | Power Shovels |                          |   |
|            |             | Short Face         | Room Length | Longwall |                   | Track  | Caterpillar |               |                          |   |
| Archuleta  |             |                    |             |          |                   |        |             |               |                          |   |
| Boulder    | 36          |                    | 1           |          |                   |        | 1           |               |                          | 231, 078  |
| Delta      | 3           |                    |             |          |                   |        | 1           |               |                          | 30, 416   |
| Elbert     |             |                    |             |          |                   |        |             |               |                          |   |
| El Paso    | 5           |                    |             |          |                   |        | 2           |               |                          | 73, 384   |
| Fremont    | 33          | 6                  | 5           |          |                   |        | 1           |               |                          | 239, 645  |
| Garfield   |             |                    |             |          |                   |        |             |               |                          |   |
| Gunnison   | 9           |                    | 1           |          |                   |        |             | 8             |                          | 354, 151  |
| Huerfano   | 30          |                    |             |          |                   |        |             |               | 1                        | 239, 009  |
| Jackson    |             |                    |             |          |                   |        |             |               | 1                        |   |
| Jefferson  | 6           |                    |             |          |                   |        |             |               |                          | 45, 152   |
| La Plata   | 1           |                    |             |          |                   |        |             |               |                          | 10, 190   |
| Larimer    |             |                    |             |          |                   |        |             |               |                          |   |
| Las Animas | 25          |                    | 3           |          | 4                 |        |             | 1             | 2                        | 130, 085  |
| Mesa       | 6           |                    |             | 1        |                   | 1      |             |               |                          | 57, 588   |
| Moffat     | 7           |                    |             |          |                   |        |             | 2             |                          | 135, 431  |
| Montezuma  |             |                    |             |          |                   |        |             |               |                          |   |
| Montrose   |             |                    |             |          |                   |        |             |               |                          |   |
| Ouray      |             |                    |             |          |                   |        |             |               |                          |   |
| Pitkin     |             |                    |             |          |                   |        |             |               |                          |   |
| Rio Blanco |             |                    |             |          |                   |        |             |               |                          |   |
| Routt      | 61          |                    | 23          |          | 2                 |        | 3           |               | 4                        | 578, 523  |
| San Miguel |             |                    |             |          |                   |        |             |               |                          |   |
| Weld       | 47          |                    |             |          |                   |        | 8           |               |                          | 772, 611  |
| TOTALS     | 269         | 6                  | 33          | 1        | 6                 | 5      | 22          | 3             | 6                        | 2, 897, 263   |

COLORADO - 1946

| TONS OF COAL<br>HAND LOADED<br>ONTO<br>MECHANICAL<br>DEVICES | MINING MACHINERY |                   |  |                 |                                    |                          | TOTAL<br>TONNAGE |
|--|------------------|-------------------|--|-----------------|------------------------------------|--------------------------|------------------|
|  | Undercutting     | Electric Shearing | Combination<br>Undercutting and<br>Electric Shearing | Electric Drills | Compressed Air<br>Cutting Machines | Compressed Air<br>Drills |                  |
|  |                  |                   |  |                 |                                    |                          | 700              |
| 141,537  | 59               |                   |  | 63              | 1                                  |                          | 381,741          |
|  | 4                |                   | 1  | 7               | 4                                  | 6                        | 105,202          |
|  |                  |                   |  |                 | 1                                  |                          | 1,189            |
| 6,000  | 12               |                   |  | 8               |                                    |                          | 191,205          |
| 77,193   | 71               |                   | 1  | 54              |                                    |                          | 398,625          |
|  |                  |                   |  | 2               |                                    | 9                        | 50,689           |
|  | 45               | 1                 |  | 25              |                                    | 2                        | 610,341          |
| 47,953   | 63               |                   |  | 39              |                                    | 5                        | 594,576          |
|  | 1                |                   |  | 1               |                                    |                          | 35,041           |
|  | 7                |                   |  | 8               |                                    |                          | 125,376          |
|  | 5                |                   |  | 4               |                                    |                          | 63,817           |
|  |                  |                   |  |                 |                                    |                          | 28               |
| 29,969   | 59               | 1                 |  | 37              | 2                                  | 13                       | 1,082,820        |
| 5,580  | 14               |                   |  | 11              |                                    |                          | 96,406           |
|  | 10               | 1                 |  | 8               |                                    |                          | 143,105          |
|  |                  |                   |  |                 |                                    |                          | 2,360            |
|  |                  |                   |  | 2               |                                    |                          | 2,198            |
|  |                  |                   |  |                 |                                    |                          | 500              |
|  |                  |                   |  |                 |                                    |                          | 423              |
|  | 3                |                   |  | 2               |                                    |                          | 12,570           |
| 135,442  | 81               |                   |  | 91              |                                    |                          | 896,888          |
|  | 1                |                   |  |                 |                                    |                          | 150              |
| 138,033  | 84               | 2                 | 5  | 87              |                                    |                          | 1,145,155        |
| 581,707  | 519              | 5                 | 7  | 449             | 8                                  | 35                       | 5,941,105        |



# FATAL ACCIDENTS IN 1944

| DATE  | NAME              | COMPANY           | MINE         | COUNTY     | CAUSE       |
|-------|-------------------|-------------------|--------------|------------|-------------|
| 1-7   | Verlin Mills      | Butte Valley Coal | Butte Valley | Huerfano   | Machinery   |
| 1-16  | Domenic Negro     | C.F. & I. Corp.   | Kebler #2    | "          | Face bump   |
| 1-19  | John Simoff       | Colo. & Utah Coal | Harris       | Routt      | Face fall   |
| 2-14  | Joe A. Talmich    | C.F. & I. Corp.   | Kebler #2    | Huerfano   | Haulage     |
| 2-23  | William McIntyre  | Victor-Amer. Fuel | Wadge        | Routt      | Roof fall   |
| 2-25  | William Steffen   | " "               | Wadge        | "          | " "         |
| 3-1   | Joe M. Baca       | C.F. & I. Corp.   | Frederick    | Las Animas | Haulage     |
| 3-6   | Matt Glazar       | Leyden Lignite    | Leyden #3    | Jefferson  | Rib fall    |
| 3-16  | Roscoe B. Hubbard | Kerr Coal         | Cameo        | Mesa       | Roof fall   |
| 3-23  | Antonio Zabala    | Victor-Amer. Fuel | Pinnacle     | Routt      | Haulage     |
| 4-13  | James Berardi     | Caldirola Coal    | Caldirola    | Fremont    | Electricity |
| 4-24  | Joe E. Martinez   | Gordon Coal       | Gordon       | Huerfano   | Suffocation |
| 5-12  | Mariano Via       | Colo. Springs     | City #3      | El Paso    | Haulage     |
| 8-10  | Juan E. Garcia    | Taylor Coal Mg.   | Cook         | Las Animas | Explosives  |
| 8-15  | Mike Zuzich       | Leyden Lignite    | Leyden #3    | Jefferson  | Haulage     |
| 8-21  | Hubbard Whitcomb  | Pikes Peak Fuel   | Pikeview     | El Paso    | "           |
| 9-1   | Walter Chapman    | Victor-Amer. Fuel | Pinnacle     | Routt      | "           |
| 9-7   | Ben Mascitelli    | Can. Monarch Coal | Pine Gulch   | Fremont    | Electricity |
| 9-16  | Richard Abeyta    | C.F. & I. Corp.   | Frederick    | Las Animas | Machinery   |
| 11-13 | Mike Glad         | Baldy Coal        | Baldy        | "          | Roof fall   |
| 11-23 | Soilo Pineda      | Calumet Fuel      | Calumet #2   | Huerfano   | "           |
| 11-26 | Roy W. Steele     | Pikes Peak Fuel   | Pikeview     | El Paso    | Suffocation |

## NOT CHARGED TO THE INDUSTRY

|      |               |                     |                |            |                                  |
|------|---------------|---------------------|----------------|------------|----------------------------------|
| 6-28 | Joe Zartelli  | Dick Coal           | Dix            | Las Animas | Heart failure                    |
| 7-29 | Stanley Baker | Paonia Farmers Coal | Paonia Farmers | Delta      | Surface haulage<br>(trespassing) |



# FATAL ACCIDENTS IN 1945

| DATE  | NAME              | COMPANY           | MINE           | COUNTY     | CAUSE           |
|-------|-------------------|-------------------|----------------|------------|-----------------|
| 1-8   | Frank L. Tomsic   | C. F. & I. Corp.  | Robinson #4    | Huerfano   | Roof fall       |
| 1-10  | Donacino Cordova  | " " " "           | Rockvale #3    | Fremont    | " "             |
| 1-16  | Carlo Cordova     | Gordon Coal       | Gordon         | Huerfano   | Face fall       |
| 1-31  | Mike Duzenack     | C. F. & I. Corp.  | Kebler #2      | "          | Haulage         |
| 2-7   | Mike Medina       | " " " "           | Kebler #2      | "          | Roof fall       |
| 2-10  | John Hudack       | Moffat Coal       | Moffat #1&#2   | Routt      | Haulage         |
| 3-27  | Munzio Chioda     | Graden Coal       | Graden         | Weld       | Electricity     |
| 3-31  | Vance A. Wyatt    | Caldirola Coal    | Canon Liberty  | Fremont    | Machinery       |
| 5-12  | Alfonso Sanchez   | Bear Canon Coal   | Bear Can. #6   | Las Animas | Face fall       |
| 6-2   | William Simpson   | C. F. & I. Corp.  | Morley         | " "        | Haulage (Surf.) |
| 7-20  | Felipe Sanchez    | Hayden Coal       | Hayden #4      | Routt      | Roof fall       |
| 7-20  | Andres Griego     | C. F. & I. Corp.  | Frederick      | Las Animas | " "             |
| 7-25  | Joe Pacheco       | Calumet Fuel      | Calumet #2     | Huerfano   | Machinery       |
| 8-3   | John Kanakaraiz   | Louis Gaspar      | Regal          | Boulder    | Roof fall       |
| 9-1   | Earnest Rodriguez | Calumet Fuel      | Somerset       | Gunnison   | Haulage         |
| 9-4   | Victor Roybal     | Baldy Coal        | Baldy          | Las Animas | "               |
| 9-7   | Benj. O. Moya     | Rocky Mt. Fuel    | Columbine      | Weld       | Roof fall       |
| 9-11  | Ludwig Wallitch   | C. F. & I. Corp.  | Kebler #2      | Huerfano   | Face fall       |
| 10-18 | Everett Renoude   | Bould. Val. Coal  | Bould. Val. #3 | Weld       | Roof fall       |
| 10-18 | Walter G. Davies  | Pittsburg Coal    | Pittsburg      | Boulder    | Truck           |
| 10-23 | Henry Knox        | Bould. Val. Coal  | Bould. Val. #3 | Weld       | Roof fall       |
| 11-18 | Jose G. Martinez  | Leyden Lignite    | Leyden #3      | Jefferson  | Haulage         |
| 11-25 | Alfred Velasquez  | Kerr Coal         | Cameo          | Mesa       | Roof fall       |
| 12-13 | Otis Garner       | King Coal         | King Cole      | La Plata   | " "             |
| 12-15 | Paul Carestia     | Can. Monarch Coal | Can. Monarch   | Fremont    | Electricity     |

## NOT CHARGED TO THE INDUSTRY

|     |                  |                 |         |            |               |
|-----|------------------|-----------------|---------|------------|---------------|
| 4-9 | Giuseppe Vicenzi | Hall Bros. Coal | Kenneth | Las Animas | Heart failure |
|-----|------------------|-----------------|---------|------------|---------------|

# FATAL ACCIDENTS IN 1946

| DATE  | NAME                 | COMPANY               | MINE           | COUNTY     | CAUSE          |
|-------|----------------------|-----------------------|----------------|------------|----------------|
| 1-4   | Martin Crump         | Minnequa Fuel         | Morning Glory  | Huerfano   | Machinery      |
| 1-24  | Felix DeFelice       | Pikes Peak Fuel       | Pikeview       | El Paso    | Roof fall      |
| 2-28  | Tom Richard Dewitt   | Victor-Amer. Fuel     | Wadge          | Routt      | " "            |
| 3-9   | John Montero         | " "                   | Delagua        | Las Animas | Falling object |
| 3-15  | John Krist           | C. F. & I. Corp.      | Pictou (New)   | Huerfano   | Roof fall      |
| 3-22  | Joe Gallo            | Colo. Springs         | City #4        | El Paso    | Haulage        |
| 3-27  | Dave Lueras          | Rocky Mt. Fuel        | Columbine      | Weld       | Roof fall      |
| 3-28  | Thomas Regone        | Moffat Coal           | Moffat #1 & #2 | Routt      | " "            |
| 5-13  | Pietro DeAngelis     | Garden Coal           | Garden         | Weld       | Haulage        |
| 5-17  | Raymond Garcia       | Berwind Can. Coal     | Berwind Can.   | Las Animas | Face fall      |
| 6-10  | Joseph E. Gaymay     | Capitol Coal(Caprock) | Capitol        | Jefferson  | Machinery      |
| 6-28  | Marse Carricato      | C. F. & I. Corp.      | Crested Butte  | Gunnison   | Roof fall      |
| 7-28  | Richard Reed         | " " "                 | Frederick      | Las Animas | Haulage        |
| 8-22  | Cecil L. Benham      | Colowyo Coal          | Red Wing       | Moffat     | " "            |
| 9-21  | Walter W. Vogl       | Leyden Lignite        | Leyden #3      | Jefferson  | " "            |
| 10-11 | Joe Bergosh          | C. F. & I. Corp.      | Morley         | Las Animas | Roof fall      |
| 10-14 | Frank B. Skrbina     | Garden Coal           | Garden         | Weld       | Electricity    |
| 10-19 | Frank Mendez Alvarez | Blue Blaze Coal       | Pryor (New)    | Huerfano   | Face fall      |
| 10-22 | Frank Skryznear      | Butte Valley Coal     | Butte Valley   | " "        | Roof fall      |

## NOT CHARGED TO THE INDUSTRY

|      |                 |                   |          |       |               |
|------|-----------------|-------------------|----------|-------|---------------|
| 8-14 | Chris. Stoycoff | Victor-Amer. Fuel | Pinnacle | Routt | Heart failure |
|------|-----------------|-------------------|----------|-------|---------------|

# Successful Candidates in Examination for Coal Mine Officials--1944

## MINE FOREMAN

Betz, Henry  
 Bozich, John  
 Coet, Desire L.  
 Cordova, Paul  
 Coriasso, Paul J.  
 Craig, William R.  
 Crocfer, Robert J.  
 Crooks, James P.  
 Dale, John, Jr.  
 Duran, Victor  
 Fickle, James G.  
 Fisk, Merle  
 George, Phillip W.  
 Guadagnoli, Candido  
 Guadagnoli, Emilio  
 Hicks, Dale D.  
 Jermance, Edmond E.  
 Just, Tony A.  
 Kerr, John W.  
 Legros, Clifford  
 Liley, William B.  
 Littrell, Robert L.  
 Lloyd, Albert  
 Maglich, Martin  
 Maki, Julius  
 McConnell, Charles M.  
 McCreary, H. J.  
 Naus, Lester L.  
 Otellio, Emile  
 Pence, Russell  
 Simms, Enoch L.  
 Somsky, Tom  
 Vecellio, Kelly  
 Warembourg, Amiable  
 Wist, Emil  
 Zulian, Charles  
 Zulian, Victor

## ASST. MINE FOREMAN

Bisulco, Alex  
 Gardner, G. R.  
 \*Jackson, Lewis R.  
 Lane, Isaac  
 Pavlisick, Martin  
 Sellers, L. H.

## FIRE BOSS

Allan, David W.  
 Allison, Glen C.  
 \*Anderson, Carl L.  
 Andreatta, L.  
 Arnold, Edward C.  
 Axelson, Alvin E.  
 Brown, Carl P.  
 Chatfield, Ralph  
 Davis, Willis E.  
 Deborski, Stanley J.  
 DiSalle, William  
 \*Downing, Harry  
 Duffy, Raymond A.  
 Evezich, L. J.  
 Guigli, Fred  
 Guigli, Louie J.  
 Harmon, John R.  
 Ingle, W. R.  
 Kerr, W. M.  
 Krisman, Tony  
 Kyle, Lynne B.  
 \*Lackey, Cashmer  
 Lacki, Fred  
 LeDonne, Pete J.  
 Mihevc, Frank J.  
 \*Milanese, Paul  
 Miller, Mantford O.  
 Morasky, James F.  
 Morrow, Arlo D.  
 Nicola, M. A.

## Additional Rating After Fire Boss Experience

\*  
 \*Asst. Mine Foreman  
 \*  
 Mine Foreman  
 \*  
 Asst. Mine Foreman  
 \*Asst. Mine Foreman  
 \*  
 Asst. Mine Foreman  
 \*  
 Mine Foreman  
 Asst. Mine Foreman  
 \*  
 \*Asst. Mine Foreman  
 Asst. Mine Foreman  
 Asst. Mine Foreman  
 Asst. Mine Foremen  
 \*  
 \*Mine Foreman  
 \*Mine Foreman  
 \*

\*-Held for first aid training  
 Continued

FIRE BOSS (Cont.)Additional Rating after Fire Boss Experience

|                      |                    |
|----------------------|--------------------|
| Palomet, William A.  |                    |
| Paradela, Loreto E.  |                    |
| Parker, Thomas M.    |                    |
| Petranovich, Joe     |                    |
| Plane, John W.       | Mine Foreman       |
| Plasnik, Matis       | Mine Foreman       |
| Price, Jesse F.      | Asst. Mine Foreman |
| Price, Walter        |                    |
| Quella, Henry        |                    |
| Riggot, Arthur       | Mine Foreman       |
| Rocchio, Nick        |                    |
| Sanborn, Joe A.      |                    |
| Sandoval, A.         | *                  |
| Seip, Alfred N.      |                    |
| Smith, Henry A.      |                    |
| Spangler, Charles C. |                    |
| Steel, Victor        |                    |
| Tomasi, John A.      |                    |
| Tyson, John B.       |                    |
| Vigil, Albert T.     |                    |
| Vinson, James        |                    |
| Voytilla, George     |                    |
| Wagstaff, Melvin E.  | *                  |
| Walker, Eugene       |                    |
| Wendzel, Joseph      |                    |
| Westley, William W.  | Asst. Mine Foreman |
| Zancanella, Sam J.   | Mine Foreman       |
| Zinge, Julius        |                    |

\*Held for first aid



# Successful Candidates in Examination for Coal Mine Officials--1946

| <u>MINE FOREMAN</u>       | <u>FIRE BOSS</u>       | <u>Additional Rating After<br/>Fire Boss Experience</u> |
|---------------------------|------------------------|---|
| Allison, Glen C.          | Abeyta, Joe E.         |   |
| Bujaci, John, Jr.         | *Alexander, William L. | Asst. Mine Foreman                                      |
| Cary, John H.             | Allen, Earl W.         | Mine Foreman  |
| Chatfield, Ralph          | Bear, Charles E.       |   |
| Clark, Jess               | *Boles, Ned. D.        | *Mine Foreman   |
| Downing, Harry            | Borgeson, R. L.        | Asst. Mine Foreman                                      |
| Guarienti, Albert         | Desailly, V. Z.        | Asst. Mine Foreman                                      |
| Jenkins, William, Jr.     | DeSantis, Dan          |   |
| Maize, Earl R.            | Espinosa, Leon         |   |
| Martella, Tony            | Figurrilli, Rocco      |   |
| Metz, Wilbur              | Forrest, Howard E.     | Mine Foreman  |
| Miller, Mantford O.       | Gaggini, Louis P.      | *Mine Foreman   |
| Morris, James             | Gearhart, Clarence     | *   |
| Morrow, Arlo D.           | Gert, Walter           | Asst. Mine Foreman                                      |
| Petranovich, Joe          | Givens, George A.      |   |
| Plane, John W.            | Graham, Francis C.     | *Mine Foreman   |
| Pol, Louis                | Hale, Floyd W.         |   |
| Riggot, Arthur            | Hodgson, Frank         | Mine Foreman  |
| Rocchio, Nickie           | Kocjancic, Adolph      |   |
| Scott, H. L.              | *Krautwashl, Carl      |   |
| Seip, Alfred N.           | Leonard, Francis S.    | Asst. Mine Foreman                                      |
| Sellers, Lester H.        | Luoma, William O.      | Asst. Mine Foreman                                      |
| Skufca, Steve             | Maes, Jasper           |   |
| Styduhar, Rudy            | Mascitelli, Joe        |   |
| Valencich, A. W.          | Plozza, John H.        | Mine Foreman  |
|                           | Richards, Ben          | Mine Foreman  |
|                           | Rocchio, John          | Asst. Mine Foreman                                      |
|                           | Schmidt, John E.       | Asst. Mine Foreman                                      |
|                           | Seigfreid, Darwin      |   |
|                           | Shearer, Elvin M.      | Asst. Mine Foreman                                      |
|                           | Slanovich, Matt, Jr.   | *   |
|                           | Staley, Carl           | *Asst. Mine Foreman                                     |
|                           | Sudo, William          | *   |
| <u>ASST. MINE FOREMAN</u> | Uyetake, Kor           |   |
| Amicarella, Lawrence      | Villani, Thomas        |   |
| Garcia, James             | Walk, George, Sr.      |   |
| Gomez, Amando             | Weaver, William A.     | *   |
| Kasik, Robert E.          | West, Everett E.       |   |
| Kerr, W. M.               | Westley, William W.    | Mine Foreman  |
| Sandifer, Glen            | Zellitti, Frank        | Assistant Mine Foreman                                  |
| Spangler, C. C.           | Zellitti, John         | *   |
| Walker, Eugene A.         | Zulian, Fede           |   |



# NOTE OF APPRECIATION

To the State Multigraphing Department  
for the printing of this publication.



